

PA 6 G
PA 6 G + Oil (Oilamid®)
PA 6 G + Solid lubricant (Lubramid®)
PA 6 6/12 G (Calaumid® 612)
PA 12 G (Calaumid® 1200)
PA 6 6/12 G-FE (Calaumid® 612-FE)
PA 12 G-FE (Calaumid® 1200-FE)

POM
PET

PVC

PTFE
PEEK

DELIVERY PROGRAMME

SEMI-FINISHED PRODUCTS

PA 6 G
Oilamid®
Lubramid®
Calaumid®

PA 6
PA 66
PA 12 E
POM
PET
PEEK
PTFE
PVC-U

PVC

PTFE
PEEK

Licharz
engineering plastics



Cut to size calculation made easy!

Do you often need prices for cut to size pieces from sheet, rod or tube, and you don't want to inquire each time? Then we have the right solution for you!

With our online programme you can calculate the prices yourself on the internet for

- Cut sheets
- Strips (planed on two sides/all sides)
- Cut rods
- Cut tube
- Round blanks cut from sheets.

The simple, intuitive operation and the comprehensive help function make navigation easy and quickly lead to the desired results.

Register online with us today at: <http://www.licharz.de/registrierung> and take advantage of our extensive web site.

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Sheets of PA 6 G

$$\rho = 1.15 \text{ g/cm}^3$$

Thickness	Tolerance	3050 x 1220			3050 x 1000			2000 x 1220			2000 x 1000			1000 x 1000							
		kg/m			kg/m			kg/m			kg/m			kg/m							
in mm	in mm																				
8	+0.5/+1.7																				
10								16.8	+	+	-	13.5	+	+	-	13.5	o	o			
12								19.8	+	+	-	16.0	+	+	-	16.0	o	o			
15	+0.5/+2.5	24.6	+	+	-	20.0	o	o	-	24.6	+	+	-	20.0	+	+	-	20.0	o	o	
16		26.4	o	o	-	21.5	o	o	-	26.4	+	+	-	21.5	+	+	-	21.5	o	o	
18								30.2		+		24.5	+		-	24.5	o				
20		31.8	+	+	-	26.0	o	o	-	31.8	+	+	-	26.0	+	+	+	26.0	o	o	-
22												29.0	+	o	-	29.0	o	-			
25		39.0	+	+	-	32.0	o	o	-	39.0	+	+	-	32.0	+	+	+	32.0	o	o	-
30	+0.5/+3.5	48.0	+	+	-	38.5	o	o	-	48.0	+	+	-	38.5	+	+	+	38.5	o	o	-
35		55.8	+	+	-	45.3	o	o	-	55.8	o	+	-	45.3	+	+	-	45.3	o	o	
40		62.4	+	+	-	51.0	o	o	-	62.4	+	+	-	51.0	+	+	+	51.0	o	o	-
45	+1.0/+5.0	70.2	+	o	-	57.0	o	o	-	70.2	o	+	-	57.0	+	+	-	57.0	o	o	
50		78.0	+	+	-	63.5	o	o	-	78.0	+	+	-	63.5	+	+	+	63.5	o	o	-
55		86.4	o	o	-	70.0	o	o	-				70.0	+	+	-	70.0	o	o		
60		93.0	+	+	-	76.0	o	o	-	93.0	+	o	-	76.0	+	+	+	76.0	o	o	-
65		100.8	o	o	-	82.5	o	o	-				82.5	+	+	-	82.5	o	o		
70		109.2	+	+	-	88.5	o	o	-	109.2	o	o	-	88.5	+	+	-	88.5	o	o	
75	+1.0/+6.0											94.5	o	o	-	94.5	o	-			
80		122.4	+	+	-	101.0	o	o	-	122.4	o	o	-	101.0	+	+	-	101.0	o	o	
85		131.2		o	-	108.0		o	-				108.0	o	o	-	108.0	o	-		
90		137.4	o	o	-	113.0	o	o	-				113.0	+	+	-	113.0	o	o		
95												120.5	o	o	-	120.5	o	-			
100		153.0	+	+	-	126.0	o	o	-	153.0	o	o	-	126.0	+	+	-	126.0	o	o	
110		169.0	+	+	-	146.0	o	o	-								146.0	+	+	-	
120		185.0	+	o	-	158.0	o	o	-	185.0	o	o	-				158.0	+	+	-	
130																	171.0	+	+	-	
140																	184.0	+	+	-	
150																	197.0	+	+	-	
160																	209.0	+	+	-	
165																	215.5	o	o	-	

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Tolerance Length	Tolerance Width	Dimensions
in mm	in mm	in mm
0/+60	0/+60	3050 x 1220
0/+60	0/+60	3050 x 1000
0/+60	0/+40	2000 x 1220
0/+60	0/+40	2000 x 1000
0/+80	0/+50	1000 x 1000

PA 6 G is also available as special order in the following grades and colors (minimum quantities may apply):
 Heat Stabilised, MoS2 black, MoS2 charcoal-gray, Calamid 612
 Cut to size pieces available on request.

Rods of PA 6 G

$\rho = 1.15 \text{ g/cm}^3$



Nominal size	Tolerance	2000			1000		
		kg/m			kg/m		
ø in mm	in mm						
10	+0.2/+0.9	0.10	-	-	0.10	-	-
15		0.22	-	-	0.22	-	-
20		0.39	-	-	0.39	-	-
22		0.46		-	0.46	-	-
25		0.60	-	-	0.60	-	-
30		0.85	-	-	0.85	+	+
35	+0.2/+1.1	1.20	-	-	1.20	+	+
40		1.50	-	-	1.50	+	+
45	+0.3/+1.3	1.90	-	-	1.90	+	+
50		2.40	-	-	2.40	+	+
55		2.80	-	-	2.80	+	+
60	+0.3/+1.6	3.40	-	-	3.40	+	+
65		4.00	-	-	4.00	+	+
70					4.80	+	+
75	+0.4/+3.0				5.60	+	+
80					6.20	+	+
85					6.90	+	+
90					7.80	+	+
95		8.70	-	-	8.70	+	+
100		9.80	+	+	9.80	+	+
110	+1.5/+5.0	11.70	+	+	11.70	+	+
115		12.90	+	+	12.90	+	+
120		14.20	+	+	14.20	+	+
125		15.40	+	+	15.40	+	+
130		16.90	+	+	16.90	+	+
135		18.20	+	+	18.20	+	+
140		20.00	+	+	20.00	+	+
145					21.30	+	+
150		22.50	+	+	22.50	+	+
155					23.90	+	+
160	+2.0/+7.0	25.10	+	+	25.10	+	+
165					26.50	+	+
170		28.40	+	+	28.40	+	+
175					29.70	+	+
180		31.50	+	+	31.50	+	+
190		35.10	+	+	35.10	+	+
200	+2.0/+9.0	39.20	+	+	39.20	+	+
210					43.20	+	+
220					48.00	+	+
230					50.60	+	+
240					56.80	+	+
250					59.80	+	+
260					65.40	+	+
270					69.60	+	+
280					75.80	+	+

- + Stock item
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Rods of PA 6 G

$$\rho = 1.15 \text{ g/cm}^3$$

Nominal size		1000			Discs 50 - 200		
ø in mm	Tolerance in mm	kg/m			OD		
290	+2.0/+9.0	80.40	+	+	750	-	-
300		87.80	+	+	800	-	-
310	+3.0/+11.0	93.60	+	+	850	-	-
320		101.50	+	+	900	-	-
330		108.40	+	+	1000	-	-
340		116.10	+	+	1050	-	-
350		123.60	+	+	1100	-	-
360		128.20	+	+	1150	-	-
370		132.00	+	+	1200	-	-
380		140.30	+	+	1250	-	-
390		151.50	+	+	1300	-	-
400		155.00	+	+	1350	-	-
410	+4.0/+13.0	165.00	+	+	1400	-	-
420		173.80	+	+	1450	-	-
430		183.50	+	+	1500	-	-
440		192.00	+	+	1650	-	-
450		195.00	+	+			
460		208.10	+	+			
470		216.60	+	+			
480		226.00	+	+			
490		237.00	+	o			
500		248.50	+	+			
510	+5.0/+15.0	254.50	+	+			
520		262.40	+	+			
530		274.50	+	+			
540		284.80	+	+			
550		301.70	+	+			
560		309.00	+	+			
570		323.50	+	o			
580		329.00	+	+			
590		343.70	+	o			
600		352.90	+	+			
610		362.20	+	+			
620		377.60	+	+			
625		383.60	-	-			
630		386.00	+	+			
640		397.00	+	+			
650		415.60	+	+			
660		425.70	+	+			
670		441.10	+	o			
680		454.10	+	+			
690		468.70	+	+			
700		488.90	+	+			
710		498.50	+	+			
720		512.10	-	-			

- + Stock item
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Cut to size pieces available on request.

Tubes of PA 6 G

$\rho = 1.15 \text{ g/cm}^3$



Nominal size		2000		1000	
ø in mm		kg/m		kg/m	
OD	ID				
50	30	2.00	+	2.00	+
60	30	3.20	+	3.20	+
	40	2.60	+	2.60	+
65	40	3.10	+	3.10	-
70	30	4.30	+	4.30	+
	40	3.70	+	3.70	-
	50	3.00	+	3.00	+
75	50	3.80	+	3.80	+
	60	2.90	+	2.90	-
80	30	5.80	+	5.80	+
	40	5.20	+	5.20	+
	50	4.50	+	4.50	+
	60	3.60	+	3.60	-
85	40	6.10	+	6.10	-
90	40	6.80	+	6.80	+
	60	5.20	+	5.20	+
	70	4.20	+	4.20	-
100	40	8.70	+	8.70	+
	50	8.00	+	8.00	+
	60	7.10	+	7.10	+
	70	6.00	+	6.00	+
	80	4.60	+	4.60	+
110	60	9.05	+	9.05	+
	70	7.98	+	7.98	-
	80	6.74	+	6.74	+
120	60	11.33	+	11.33	+
	70	10.27	+	10.27	-
	80	9.02	+	9.02	+
	90	7.59	+	7.59	-
	100	5.97	+	5.97	+
130	70	12.38	+	12.38	+
	80	11.14	+	11.14	+
	100	8.09	+	8.09	+
140	80	14.73	+	14.73	-
	90	13.30	+	13.30	-
	100	11.68	+	11.68	-
	110	10.25	+	10.25	+
150	80	17.52	+	17.52	+
	100	14.47	+	14.47	+
	110	13.04	+	13.04	+
	120	11.09	+	11.09	+
	130	8.95	+	8.95	+
160	80	19.59	+	19.59	+
	90	18.15	+	18.15	+

Nominal size		2000		1000	
ø in mm		kg/m		kg/m	
OD	ID				
160	100	16.54	+	16.54	+
	110	15.11	+	15.11	-
	120	13.15	+	13.15	+
	130	11.01	+	11.01	-
180	90	24.56	+	24.56	-
	120	19.55	+	19.55	+
	140	15.09	+	15.09	+
200	100	30.46	+	30.46	+
	120	27.08	+	27.08	+
	160	17.40	+	17.40	+
250	80	57.65		57.65	+
	150	44.11		44.11	+
300	200	55.19		55.19	+
350	250	66.28		66.28	+
400	200	122.45		122.45	+
	300	77.36		77.36	+
450	250	149.07		149.07	+
	350	91.45		91.45	+

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Cut to size pieces available on request.



Tubes of PA 6 G

$\rho = 1.15 \text{ g/cm}^3$

Nominal size		Weight
ø in mm		kg/m
OD	ID	
50	35	1.75
55	30	2.50
65	50	2.30
80	55	4.20
85	70	3.30
90	55	5.70
	65	4.70
	75	3.50
95	70	5.10
100	45	8.24
	55	7.52
	65	6.60
	75	5.50
110	40	10.55
	50	9.84
	65	8.54
	75	7.38
	90	5.31
120	40	12.83
	50	12.12
	65	10.82
	75	9.67
130	40	15.01
	50	14.24
	60	13.44
	75	11.78
	90	9.70
	110	6.66
140	40	18.54
	50	17.83
	60	17.04
	70	15.98
	75	15.38
	120	8.30
150	40	21.33
	50	20.63
	60	19.83
	70	18.77
	75	18.17
	90	16.09
160	40	23.40
	50	22.69
	60	21.89
	70	20.83

Nominal size		Weight
ø in mm		kg/m
OD	ID	
170	40	26.82
	50	26.12
	60	25.32
	70	24.26
	80	23.02
	90	21.58
	100	19.96
	110	18.54
	120	16.58
	130	14.44
	140	12.12
180	40	29.80
	50	29.09
	60	28.60
	70	27.23
	80	25.99
	100	22.26
	110	21.51
	130	17.41
	150	12.58
190	40	33.63
	50	32.93
	60	32.13
	70	31.07
	80	29.83
	90	28.39
	100	26.77
	110	25.34
	120	23.39
	130	21.25
	140	18.93
	150	16.41
	160	13.72
200	40	37.32
	50	36.61
	60	35.82
	70	34.76
	80	33.51
	110	29.03
	130	24.94
	140	22.61
	150	20.10
	170	14.52
210	40	41.19

Nominal size		Weight
ø in mm		kg/m
OD	ID	
210	50	40.48
	60	39.69
	70	38.63
	80	37.38
	90	35.95
	100	34.33
	110	32.90
	120	30.95
	130	28.81
	140	26.48
	150	23.97
	160	21.27
	170	18.39
	180	15.32
220	40	44.83
	50	44.12
	60	43.33
	70	42.27
	80	41.02
	90	39.59
	100	37.97
	110	36.54
	120	34.59
	130	32.45
	140	30.12
	150	27.61
	160	24.91
	170	22.03
	180	18.96
	190	15.70
230	40	49.05
	50	48.35
	60	47.55
	70	46.38
	80	45.24
	90	43.81
	100	42.19
	110	40.76
	120	38.81
	130	36.67
	140	34.35
	150	31.83
	160	29.14
	170	26.25

Nominal size		Weight
ø in mm		kg/m
OD	ID	
230	180	23.18
	190	19.93
	200	16.48
240	40	53.92
	50	53.21
	60	52.32
	70	51.35
	80	50.11
	90	48.67
	100	47.05
	110	45.63
	120	43.67
	130	41.53
	140	39.21
	150	36.69
	160	34.00
	170	31.11
	180	28.04
	190	24.79
	200	21.34
250	50	60.78
	55	60.45
	60	59.88
	65	59.47
	70	58.79
	75	58.30
	90	56.20
	100	54.57
	110	53.13
	120	51.16
	130	48.99
	140	46.65
	160	41.39
	170	38.47
	180	35.37
	190	32.09
	200	28.61
	210	24.95
	220	21.10
260	50	65.73
	55	65.39
	60	64.82
	65	64.41
	70	63.85

Tubes of PA 6 G

$\rho = 1.15 \text{ g/cm}^3$



Nominal size		Weight
ø in mm		kg/m
OD	ID	
260	75	63.25
	80	62.59
	90	61.15
	100	59.51
	110	58.07
	120	56.10
	130	53.94
	140	51.59
	150	49.05
	160	46.33
	170	43.41
	180	40.32
	190	37.03
	200	33.55
	210	29.89
	220	26.04
	230	22.00
270	50	70.85
	55	70.52
	60	70.05
	65	69.54
	70	68.98
	75	68.37
	80	67.72
	90	66.27
	100	64.64
	110	63.20
	120	61.22
	130	59.06
	140	56.72
	150	54.18
	160	51.46
	170	48.54
	180	45.44
	190	42.16
	200	38.68
	210	35.02
	220	31.17
	230	27.13
	240	22.90
280	50	76.17
	55	75.74
	60	75.37
	65	74.86

Nominal size		Weight
ø in mm		kg/m
OD	ID	
280	70	74.30
	75	73.69
	80	73.04
	90	71.59
	100	69.96
	110	68.51
	120	66.54
	130	64.38
	140	62.03
	150	59.50
	160	56.77
	170	53.86
	180	50.76
	190	47.47
	200	44.00
	210	40.33
	220	36.48
	230	32.44
	240	28.22
	250	23.80
290	50	82.70
	55	82.30
	60	81.85
	65	81.35
	70	80.80
	75	80.21
	80	79.57
	90	78.15
	100	76.54
	110	74.74
	120	72.74
	130	70.56
	140	68.19
	150	66.63
	160	62.88
	170	59.94
	180	56.81
	190	53.49
	200	49.98
	210	46.28
	220	42.40
	230	38.32
	240	34.05
	250	29.59

Nominal size		Weight
ø in mm		kg/m
OD	ID	
290	260	24.55
300	50	87.37
	55	87.03
	60	86.56
	65	86.05
	70	85.49
	75	84.89
	80	84.23
	90	82.79
	100	81.15
	110	79.71
	120	77.74
	130	75.58
	140	73.23
	150	70.69
	160	67.97
	170	65.06
	180	61.96
	190	58.67
	210	51.53
	220	47.68
	230	43.64
	240	39.41
	250	35.00
	260	30.40
	270	25.61
310	80	90.11
	90	88.67
	100	87.03
	110	85.59
	120	83.62
	130	81.46
	140	79.11
	150	76.57
	160	73.85
	170	70.94
	180	67.84
	190	64.55
	200	61.07
	210	57.41
	220	53.56
	230	49.52
	240	45.29
	250	40.88

Nominal size		Weight
ø in mm		kg/m
OD	ID	
310	260	36.28
310	270	31.49
	280	26.51
320	80	96.18
	90	94.74
	100	93.10
	110	91.66
	120	89.69
	130	87.53
	140	85.18
	150	82.64
	160	79.92
	170	77.01
	180	73.91
	190	70.62
	200	67.14
	210	63.48
	220	59.63
	230	55.59
	240	51.36
	250	46.95
	260	42.34
	270	37.55
	280	32.57
	290	27.41
330	80	102.44
	90	100.99
	100	99.36
	110	97.92
	120	95.94
	130	93.78
	140	91.43
	150	88.90
	160	86.17
	170	83.26
	180	80.16
	190	76.87
	200	73.40
	210	69.74
	220	65.88
	230	61.84
	240	57.62
	250	53.20
	260	48.60



Tubes of PA 6 G

$\rho = 1.15 \text{ g/cm}^3$

Nominal size		Weight	Nominal size		Weight	Nominal size		Weight	Nominal size		Weight
ø in mm		kg/m	ø in mm		kg/m	ø in mm		kg/m	ø in mm		kg/m
OD	ID		OD	ID		OD	ID		OD	ID	
330	270	43.81	350	240	70.69	370	180	107.06	380	350	146.70
	280	38.83		260	61.68		190	103.78	390	80	146.70
	290	33.66		270	56.88		200	100.30		90	145.44
	300	28.31		280	51.91		210	96.64		100	144.00
340	80	108.88		290	46.74		220	92.79		110	142.37
	90	107.44		300	41.39		230	88.75		120	140.55
	100	105.80		310	35.84		240	84.52		130	138.54
	110	104.36		320	30.11		250	80.11		140	136.34
	120	102.39	360	80	122.33		260	75.50		150	133.95
	130	100.23		90	121.50		270	70.71		160	131.37
	140	97.88		100	119.25		280	65.73		170	128.60
	150	95.34		110	117.81		290	60.57		180	125.64
	160	92.62		120	115.84		300	55.21		190	122.49
	170	89.71		130	113.68		310	49.67		200	119.16
	180	86.61		140	111.33		320	43.94		210	115.63
	190	83.32		150	108.79		330	38.02		220	111.91
	200	79.84		160	106.07		340	31.92		230	108.00
	210	76.18		170	103.16	380	80	136.54		240	103.91
	220	72.33		180	100.06		90	135.09		250	99.62
	230	68.29		190	96.77		100	133.46		260	95.14
	240	64.06		200	93.29		110	132.01		270	90.48
	250	59.65		210	89.63		120	130.04		280	85.62
	260	55.04		220	85.78		130	127.88		290	80.58
	270	50.25		230	81.74		140	125.53		300	75.34
	280	45.27		240	77.51		150	123.00		310	69.92
	290	40.11		250	73.10		160	120.27		320	64.30
	300	34.75		260	68.50		170	117.36		330	58.50
	310	29.21		270	63.70		180	114.26		340	52.50
350	80	115.51		280	58.73		190	110.97		350	46.32
	90	114.07		290	53.56		200	107.50		360	39.95
	100	112.43		300	48.00		210	103.83	400	80	151.49
	110	110.99		310	42.66		220	99.98		90	150.04
	120	109.02		320	36.93		230	95.94		100	148.41
	130	106.86		330	31.02		240	91.72		110	146.97
	140	104.51	370	80	129.34		250	87.30		120	144.99
	150	101.97		90	127.90		260	82.70		130	142.83
	160	99.25		100	126.26		270	77.91		140	140.49
	170	96.34		110	124.82		280	72.93		150	137.95
	180	93.24		120	122.85		290	67.76		160	135.23
	190	89.95		130	120.68		300	62.41		170	132.31
	200	86.47		140	118.34		310	56.87		180	129.21
	210	82.81		150	115.80		320	51.14		190	125.93
	220	78.96		160	113.08		330	45.22		210	118.79
	230	74.92		170	110.16		340	39.11		220	114.94



Nominal size		Weight	Nominal size			Nominal size			Nominal size		
ø in mm		kg/m	ø in mm			ø in mm			ø in mm		
OD	ID		OD	ID from	ID to	OD	ID from	ID to	OD	ID from	ID to
400	230	106.67	410	80	370	560	100	510	770	700	720
	240	106.67	420	80	380	570	110	520	780	400	740
	250	102.25	430	80	390	580	110	540	800	420	740
	260	97.65	440	80	390	590	100	540	820	440	740
	270	92.68	450	80	410	600	110	550	840	460	780
	280	87.88	460	80	420	620	120	540	850	450	790
	290	82.72	470	80	430	640	120	600	860	480	820
	310	71.82	480	120	440	650	130	610	880	500	840
	320	66.09	490	120	450	660	140	600	900	780	860
	330	60.17	500	100	460	680	140	640	920	800	880
	340	54.07	510	100	470	700	140	660	940	840	900
	350	47.77	520	100	480	720	140	680	950	850	890
	360	41.29	530	100	490	740	300	680	980	880	940
			540	100	500	750	330	710	1000	900	960
			550	100	500	760	380	720			

These dimensions can be produced quickly.

OD	Tolerance OD		Tolerance ID		Toleranz Length		Standard Length
	mm		mm		mm		
	min.	max.	min.	max.	min.	max.	
50 - 80	+ 1	+ 3	- 2	- 6	- 0	+ 50	2000
80 - 100	+ 1	+ 5	- 2	- 10	- 0	+ 50	2000
110 - 240	+ 1	+ 5	- 2	- 10	- 0	+ 50	1000 / 2000
250 - 510	+ 2	+ 10	- 2	- 20	- 0	+ 50	1000
520 - 610	+ 2	+ 20	- 2	- 20	- 0	+ 50	1000
from 620	+ 2	+ 20	- 2	- 20	- 0	+ 50	upon request

All dimensions are also available in various colours and grades including Oilamid® and Lubramid®. Cut to size pieces available on request.

Sheets of Oilamid®

$$\rho = 1.15 \text{ g/cm}^3$$

Thickness	Tolerance	3050 x 1220				3050 x 1000				2000 x 1220				2000 x 1000				1000 x 1000								
		kg/m				kg/m				kg/m				kg/m				kg/m								
8	+0.5/+1.7													11.5	+	+	o	+	11.5	o	o	o	o			
10										16.8	o	-	-	o	13.5	+	+	+	+	13.5	o	o	o	o		
12										19.8	o	-	-	o	16.0	+	+	+	+	16.0	o	o	o	o		
15	+0.5/+2.5	24.6	+	-	-	o	20.0	-	-	-	-	24.6	o	-	-	o	20.0	+	+	o	o	20.0	o	o	o	o
16		26.4	o	-	-	o	21.5	-	-	-	-	26.4	o	-	-	o	21.5	+	+	o	+	21.5	o	o	o	o
18																										
20		31.8	+	-	-	o	26.0	-	-	-	-	31.8	o	-	-	o	26.0	+	+	+	+	26.0	o	o	o	o
22		35.7	o	-	-	o		-	-	-	-											29.0	o			
25		39.0	+	-	-	o	32.0	-	-	-	-	39.0	o	-	-	o	32.0	+	+	+	+	32.0	o	o	o	o
30	+0.5/+3.5	48.0	+	-	-	o	38.5	-	-	-	-	48.0	o	-	-	o	38.5	+	+	+	o	38.5	o	o	o	o
35		55.8	+	-	-	o	45.3	-	-	-	-	55.8	o	-	-	o	45.3	+	o	o	o	45.3	o			
40		62.4	+	-	-	o	51.0	-	-	-	-	62.4	o	-	-	o	51.0	+	+	+	+	51.0	o	o	o	o
45	+1.0/+5.0	70.2	+	-	-	o	57.0	-	-	-	-	70.2	o	-	-	o	57.0	+	o	o	o	57.0	o			
50		78.0	+	-	-	o	63.5	-	-	-	-	78.0	o	-	-	o	63.5	+	+	+	+	63.5	o	o	o	o
55		86.4	+	-	-	o	70.0	-	-	-	-											70.0	o			
60		93.0	+	-	-	o	76.0	-	-	-	-	93.0	o	-	-	o	76.0	+	o	o	o	76.0	o			
65		100.8	o	-	-	o	82.5	-	-	-	-											82.5	o			
70		109.2	+	-	-	o	88.5	-	-	-	-	109.2	o	-	-	o	88.5	+	o	o	o	88.5	o			
75	+1.0/+6.0																					94.5	o	o	o	o
80		122.4	+	-	-	o	101.0	-	-	-	-	122.4	o	-	-	o	101.0	+	o	o	o	101.0	o			
85																						108.0	o	o	o	o
90		137.4	+	-	-	o	113.0	-	-	-	-											113.0	o			
95																						120.5	o	o	o	o
100		153.0	o	-	-	o	126.0	-	-	-	-	153.0	o	-	-	o	126.0	+	o	o	o	126.0	o			
110		169.0	o	-	-	o	146.0	-	-	-	-											146.0	+	o	o	o
120		185.0	o	-	-	o	158.0	-	-	-	-	185.0	o	-	-	o						158.0	+	o	o	o
130																						171.0	+	o	o	o
140																						184.0	+	o	-	o
150																						197.0	+	o	-	o
160																						209.0	o	o	-	o
165																						215.5	o	o	-	o

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Oilamid® is also available as special order in the following grades and colors (minimum quantities may apply):

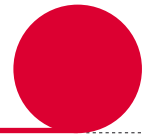
Heat Stabilised

blue, red, gray

Cut to size pieces available on request.

Rods of Oilamid®

$\rho = 1.15 \text{ g/cm}^3$



Nominal size	Tolerance	2000				1000			
		kg/m				kg/m			
ø in mm	in mm								
10	+0.2/+0.9	0.10	-	-	-	0.10	-	-	-
15		0.22	-	-	-	0.22	-	-	-
20		0.39	-	-	-	0.39	-	-	-
25		0.60	-	-	-	0.60	-	-	-
30		0.85	-	-	-	0.85	+	+	+
35	+0.2/+1.1	1.20	-	-	-	1.20	+	+	-
40		1.50	-	-	-	1.50	+	+	+
45	+0.3/+1.3	1.90	-	-	-	1.90	+	+	-
50		2.40	-	-	-	2.40	+	+	+
55		2.80	-	-	-	2.80	+	+	-
60	+0.3/+1.6	3.40	-	-	-	3.40	+	+	+
65		4.00	-	-	-	4.00	+	+	-
70						4.80	+	+	+
75	+0.4/+3.0					5.60	+	+	-
80						6.20	+	+	+
85						6.90	+	-	-
90						7.80	+	+	+
95		8.70	-	-	-	8.70	o	o	-
100		9.80	+	-	-	9.80	+	+	+
110	+1.5/+5.0	11.70	+	-	-	11.70	+	+	+
115		12.90	+	-	-	12.90	+	o	-
120		14.20	+	-	-	14.20	+	+	+
125		15.40	+	-	-	15.40	+	o	-
130		16.90	+	-	-	16.90	+	+	+
135		18.20	+	-	-	18.20	o	o	-
140		20.00	+	-	-	20.00	+	+	+
145						21.30	o	o	-
150		22.50	+	-	-	22.50	+	+	+
155						23.90	o	o	-
160	+2.0/+7.0	25.10	+	-	-	25.10	+	o	-
165						26.50	+	o	-
170		28.40	o	-	-	28.40	+	o	-
175						29.70	o	o	-
180		31.50	o	-	-	31.50	+	o	-
190		35.10	o	-	-	35.10	o	o	-
200	+2.0/+9.0	39.20	o	-	-	39.20	+	o	-
210						43.20	+	o	-
220						48.00	+	o	-
230						50.60	o	o	-
240						56.80	o	o	-
250						59.80	+	o	-
260						65.40	+	o	-
270						69.60	o	o	-
280						75.80	o	o	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Rods of Oilamid®

$$\rho = 1.15 \text{ g/cm}^3$$

Nominal size		Tolerance		1000					Discs 50 - 200		
ø in mm	in mm	kg/m					AD				
290	+2.0/+9.0	80.40	o	o	-	o	750	-	-		
300		87.80	o	o	-	o	800	-	-		
310	+3.0/+11.0	93.60	o	o	-	o	850	-	-		
320		101.50	o	o	-	o	900	-	-		
330		108.40	o	o	-	o	1000	-	-		
340		116.10	o	o	-	o	1050	-	-		
350		123.60	o	o	-	o	1100	-	-		
360		128.20	o	o	-	o	1150	-	-		
370		132.00	o	o	-	o	1200	-	-		
380		140.30	o	o	-	o	1250	-	-		
390		151.50	o	o	-	o	1300	-	-		
400		155.00	o	o	-	o	1350	-	-		
410	+4.0/+13.0	165.00	o	o	-	o	1400	-	-		
420		173.80	o	o	-	o	1450	-	-		
430		183.50	o	o	-	o	1500	-	-		
440		192.00	o	o	-	o	1650	-	-		
450		195.00	o	o	-	o					
460		208.10	o	o	-	o					
470		216.60	o	o	-	o					
480		226.00	o	o	-	o					
490		237.00	o	o	-	o					
500		248.50	o	o	-	o					
510	+5.0/+15.0	254.50	o	o	-	o					
520		262.40	o	o	-	o					
530		274.50	o	o	-	o					
540		284.80	o	o	-	o					
550		301.70	o	o	-	o					
560		309.00	o	o	-	o					
570		323.50	o	o	-	o					
580		329.00	o	o	-	o					
590		343.70	o	o	-	o					
600		352.90	o	o	-	o					
610		362.20	o	o	-	o					
620		377.60	o	o	-	o					
625		383.60	o	o	-	o					
630		386.00	o	o	-	o					
640		397.00	o	o	-	o					
650		415.60	o	o	-	o					
660		425.70	o	o	-	o					
670		441.10	o	o	-	o					
680		454.10	o	o	-	o					
690		468.70	o	o	-	o					
700		488.90	o	o	-	o					
710		498.50	o	o	-	o					
720		512.10	-	-	-	-					

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Sheets of Lubramid®

$\rho = 1.15 \text{ g/cm}^3$

Thickness	Tolerance	3050 x 1220		3050 x 1000		2000 x 1220		2000 x 1000		1000 x 1000	
		kg/m		kg/m		kg/m		kg/m		kg/m	
in mm	in mm										
8	+0.5/+1.7							11.5	+	-	
10						16.8	-	13.5	+	-	
12						19.8	-	16.0	+	-	
15	+0.5/+2.5	24.6	-	20.0	-	24.6	-	20.0	+	-	
16		26.4	-	21.5	-	26.4	-	21.5	o	-	
18						30.2		24.5	-	-	
20		31.8	-	26.0	-	31.8	-	26.0	+	-	
22		35.7	-	29.0	-			29.0	-	-	
25		39.0	-	32.0	-	39.0	-	32.0	+	-	
30	+0.5/+3.5	48.0	-	38.5	-	48.0	-	38.5	+	-	
35		55.8	-	45.3	-	55.8	-	45.3	o	-	
40		62.4	-	51.0	-	62.4	-	51.0	+	-	
45	+1.0/+5.0	70.2	-	57.0	-	70.2	-	57.0	o	-	
50		78.0	-	63.5	-	78.0	-	63.5	+	-	
55		86.4	-	70.0	-			70.0	o	-	
60		93.0	-	76.0	-	93.0	-	76.0	o	-	
65		100.8	-	82.5	-			82.5	o	-	
70		109.2	-	88.5	-	109.2	-	88.5	o	-	
75	+1.0/+6.0							94.5	o	-	
80		122.4	-	101.0	-	122.4	-	101.0	o	-	
85								108.0	o	-	
90		137.4	-	113.0	-	137.4	-	113.0	o	-	
95								120.5	o	-	
100		153.0	-	126.0	-	153.0	-	126.0	o	-	
110		169.0	-	146.0	-					146.0	o
120		185.0	-	158.0	-	185.0	-			158.0	o
130										171.0	o
140										184.0	o
150										197.0	o
160										209.0	o
165										215.5	o

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Lubramid® is also available as special order in the following grades and colors (minimum quantities may apply): nature, black, blue, yellow, gray, green, Lubramid 600-TX, Lubramid 600-T FG

Cut to size pieces available on request.



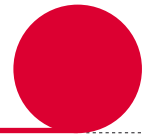
Rods of Lubramid®

$$\rho = 1.15 \text{ g/cm}^3$$

Nominal size ø in mm	Tolerance in mm	2000			1000		
		kg/m			kg/m		
10	+0.2/+0.9	0.10	-	-	0.10	-	-
15		0.22	-	-	0.22	-	-
20		0.39	-	-	0.39	-	-
25		0.60	-	-	0.60	-	-
30		0.85	-	-	0.85	+	-
35	+0.2/+1.1	1.20	-	-	1.20	-	-
40		1.50	-	-	1.50	+	-
45	+0.3/+1.3	1.90	-	-	1.90	-	-
50		2.40	-	-	2.40	+	-
55		2.80	-	-	2.80	-	-
60	+0.3/+1.6	3.40	-	-	3.40	+	-
65		4.00	-	-	4.00	-	-
70					4.80	+	
75	+0.4/+3.0						
80					6.20	+	
90					7.80	+	-
95		8.70	-	-	8.70	-	-
100		9.80	-	-	9.80	+	-
110	+1.5/+5.0	11.70	-	-	11.70	+	-
115		12.90	-	-	12.90	-	-
120		14.20	-	-	14.20	+	-
125		15.40	-	-	15.40	-	-
130		16.90	-	-	16.90	+	-
135		18.20	-	-	18.20	-	-
140		20.00	-	-	20.00	+	-
145					21.30	-	-
150		22.50	-	-	22.50	+	-
155					23.90	-	-
160	+2.0/+7.0	25.10	-	-	25.10	+	-
165					26.50	-	-
170		28.40	-	-	28.40	+	-
175					29.70	-	-
180		31.50	-	-	31.50	+	-
190		35.10	-	-	35.10	-	-
200	+2.0/+9.0	39.20	-	-	39.20	+	-
210					43.20	-	-
220					48.00	-	-
230					50.60	-	-
240					56.80	-	-
250					59.80	-	-
260					65.40	-	-
270					69.60	-	-
280					75.80	-	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Nominal size	Tolerance	1000		
		kg/m		
ø in mm	in mm			
290	+2.0/+9.0	80.40	-	-
300		87.80	-	-
310	+3.0/+11.0	93.60	-	-
320		101.50	-	-
330		108.40	-	-
340		116.10	-	-
350		123.60	-	-
360		128.20	-	-
370		132.00	-	-
380		140.30	-	-
390		151.50	-	-
400		155.00	-	-
410	+4.0/+13.0	165.00	-	-
420		173.80	-	-
430		183.50	-	-
440		192.00	-	-
450		195.00	-	-
460		208.10	-	-
470		216.60	-	-
480		226.00	-	-
490		237.00	-	-
500		248.50	-	-
510	+5.0/+15.0	254.50	-	-
520		262.40	-	-
530		274.50	-	-
540		284.80	-	-
550		301.70	-	-
560		309.00	-	-
570		323.50	-	-
580		329.00	-	-
590		343.70	-	-
600		352.90	-	-
610		362.20	-	-
620		377.60	-	-
625		383.60	-	-
630		386.00	-	-
640		397.00	-	-
650		415.60	-	-
660		425.70	-	-
670		441.10	-	-
680		454.10	-	-
690		468.70	-	-
700		488.90	-	-
710		498.50	-	-
720		512.10	-	-

Lubramid® is also available as special order in the following grades and colors (minimum quantities may apply): Lubramid 600-TX, Lubramid 600T-FG

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Rods of PA 6 G CC

$$\rho = 1.15 \text{ g/cm}^3$$

Thickness in mm	Tolerance in mm	3000			1000		
		kg/m			kg/m		
20	+0.2/+0.7	0.37	+	+	0.37	+	+
25	+0.2/+0.9	0.60	+	+	0.60	+	+
30		0,85	+	+	0,85	+	+
35	+0.2/+1.1	1.20	+	+	1.20	+	+
40		1.50	+	+	1.50	+	+
45	+0.3/+1.3	1.90	+	+	1.90	+	+
50		2.40	+	+	2.40	+	+
55		2.80	+	-	2.80	+	-
60	+0.3/+1.6	3.40	+	+	3.40	+	+
65		4.00	-	-	4.00	-	-
70		4.80	+	+	4.80	+	+
75		5.60	-	-	5.60	-	-

- + Stock item
- o Short production time
- Longer delivery times
and minimum quantities

Cut to size pieces available on request.

Sheets of Calaumid® 1200

$\rho = 1.03 \text{ g/cm}^3$

Thickness	Tolerance	3000 x 1000			
		kg/m			
in mm	in mm				
8	+0.5/+1.5	10.1	+	-	-
10		12.1	+	-	-
12		14.2	o	-	-
15	+0.5/+2.0	18.2	+	-	-
16		20.3	o	-	-
18		21.1	o	-	-
20		22.3	+	-	-
25	+0.5/+2.5	29.0	+	-	-
30		34.2	+	-	-
35		39.5	+	-	-
40	+0.5/+3.5	45.3	+	-	-
45		50.4	o	-	-
50		55.7	+	-	-
55		64.6	o	-	-
60		66.8	o	-	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Rods of Calamid® 1200

$$\rho = 1.03 \text{ g/cm}^3$$

Nominal size ø in mm	Tolerance in mm	3000			500		
		kg/m			kg/m		
20	+0.2/+0.7	0.36	+	-	-		
25	+0.2/+0.9	0.55	+	-	-		
30		0.78	+	-	-		
35	+0.2/+1.1	1.06	+	-	-		
40		1.37	+	-	-		
45	+0.2/+1.3	1.73	+	-	-		
50		2.15	+	-	-		
55		2.55	+	-	-		
60	+0.2/+1.5	3.09	+	-	-		
70	+1.0/+2.0					4.42	+ - -
80						5.74	+ - -
90	+1.0/+2.5					7.22	+ - -
100						8.96	+ - -
110						10.82	+ - -
120	+1.0/+3.0					12.92	+ - -
130						15.10	+ - -
140						17.44	+ - -
150						19.78	+ - -
160	+1.0/+3.5					22.82	+ - -
170						25.68	o - -
180						28.74	o - -
190						31.96	o - -
200						35.34	o - -
210						37.50	o - -
220						38.96	o - -
230						42.58	o - -
240						46.36	o - -
250						50.32	o - -

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Nominal size		500			
ø in mm		kg/m			
OD	ID				
80	30	2.2	-	-	-
90	30	2.9	-	-	-
100	30	3.7	-	-	-
100	50	3.0	-	-	-
100	60	2.6	-	-	-
110	30	4.5	-	-	-
110	50	3.9	-	-	-
110	60	3.4	-	-	-
120	30	5.4	-	-	-
120	50	4.8	-	-	-
120	60	4.4	-	-	-
140	30	7.6	-	-	-
140	50	6.9	-	-	-
140	60	6.5	-	-	-
140	80	5.5	-	-	-
150	30	8.7	-	-	-

Nominal size		500			
ø in mm		kg/m			
OD	ID				
150	50	8.1	-	-	-
150	60	7.6	-	-	-
150	80	6.5	-	-	-
150	90	5.8	-	-	-
160	30	9.9	-	-	-
160	50	9.3	-	-	-
160	60	8.9	-	-	-
180	80	7.7	-	-	-
180	90	7.1	-	-	-
200	30	15.8	-	-	-
200	50	15.1	-	-	-
200	60	14.7	-	-	-
200	80	13.5	-	-	-
200	90	12.9	-	-	-
200	120	10.3	-	-	-
200	140	8.2	-	-	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Rods of Calaumid® 612-Fe | Calaumid® 1200-Fe

Calaumid® 612-FE			Calaumid® 612-FE			Calaumid® 1200-FE		
Nominal size		steel core	Nominal size		steel core	Nominal size		steel core
ø in mm	in mm		in mm	in mm		in mm	in mm	
80	30	–	170	70	–	50	20	–
80	35	–	170	80	–	60	20	–
90	35	–	180	80	–	60	25	–
90	40	–	180	90	–	70	25	–
100	35	–	190	80	–	70	30	–
100	40	–	190	90	–	80	30	–
110	35	–	200	90	–	80	35	–
110	40	–	200	100	–	90	35	–
115	40	–	210	90	–	90	40	–
115	45	–	210	100	–	100	40	–
120	40	–	220	90	–	100	45	–
120	50	–	220	100	–	110	35	–
125	40	–	230	100	–	110	40	–
125	50	–	230	120	–	110	45	–
130	45	–	240	100	–	110	50	–
130	55	–	240	120	–	120	40	–
135	45	–	255	100	–	120	50	–
135	55	–	255	120	–	130	40	–
140	50	–	280	100	–	130	50	–
140	60	–	280	120	–	130	60	–
145	50	–	305	100	–	140	50	–
145	60	–	305	120	–	140	60	–
150	50	–	325	100	–	150	50	–
150	60	–	325	120	–	150	60	–
155	60	–	350	100	–	160	60	–
155	70	–	350	120	–	160	70	–
160	60	–	375	100	–	200	70	–
160	70	–	375	120	–	200	80	–
165	60	–	400	100	–	200	90	–
165	70	–	400	120	–			

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Calaumid 612-Fe is also available as special order in black.

Calaumid 1200-Fe is also available as special order in black and yellow.

Calaumid 612-Fe and 1200-Fe are also available as special order with different steel cores diameters.

Calaumid 612-Fe and 1200-Fe are also available as special order with different steel core materials:

- stainless steel
 - V2A (1.4305)
 - V4A (1.4571)
- Aluminium
- Brass

Sheets of PA 6E

$\rho = 1.14 \text{ g/cm}^3$

Thickness	Tolerance	3000 x 610			2000 x 1000		
		kg/m			kg/m		
1	-0.1/+0.1				1.25	+	
2	-0.15/+0.15				2.45	+	+
3	+0.2/+0.2				3.60	+	+
4					4.80	+	+
5	-0.25/+0.25				5.90	+	+
6					7.10	+	+
8	+0.2/+0.9	6.50	+	+	10.80	+	
10		8.00	+	+	13.20	+	
12	+0.3/+1.5	9.90	+	-	16.30	+	
15		12.15	+	+	19.90	+	
20		15.80	+	+	26.00	+	
25		19.50	+	+	32.00	+	
30		23.20	+	-	38.10	+	
35	+0.5/+2.5	27.50	-	-	45.40	o	
40		31.30	-	-	51.40	o	
50		38.70	-	-	63.50	o	
60	+0.5/+3.5	46.80	-	-	76.80	o	
70		54.20	-	-	89.00	o	
80		61.60	-	-	101.00	o	
90	+0.8/+4.5	67.80	-	-	111.54	o	

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Rods of PA 6E

$$\rho = 1.14 \text{ g/cm}^3$$

Nominal size	Tolerance	3000			1000		
		kg/m			kg/m		
ø in mm	in mm						
6	+0.1/+0.4	0.04	+	+	0.04	+	+
8	+0.1/+0.5	0.06	+	+	0.06	+	+
10		0.10	+	+	0.10	+	+
12	+0.2/+0.7	0.14	+	+	0.14	+	+
15		0.22	+	+	0.22	+	+
16		0.25	+	+	0.25	+	+
18		0.31	+	+	0.31	+	+
20		0.39	+	+	0.39	+	+
22	+0.2/+0.9	0.47	+	-	0.47	+	-
25		0.60	+	+	0.60	+	+
28		0.76	-	-	0.76	-	-
30		0.86	+	+	0.86	+	+
32		0.99	-	-	0.99	-	-
35	+0.2/+1.1	1.20	+	+	1.20	+	+
38		1.41	-	-	1.41	-	-
40		1.50	+	+	1.50	+	+
45		1.90	+	+	1.90	+	+
50	+0.3/+1.3	2.40	+	+	2.40	+	+
55		2.90	+	o	2.90	+	-
60	+0.3/+1.6	3.40	+	+	3.40	+	+
65		4.00	+	o	4.00	+	-
70		4.60	+	+	4.60	+	+
75		5.30	+	+	5.30	+	+
80	+0.4/+2.0	6.00	+	+	6.00	+	+

Nominal size	Tolerance	3000			1000		
		kg/m			kg/m		
ø in mm	in mm						
85		6.90	o	o	6.90	-	-
90	+0.5/+2.2	7.70	+	+	7.70	+	+
95		8.70	-	-	8.70	-	-
100	+0.6/+2.5	9.50	+	o	9.50	+	-
110	+0.7/+3.0	11.60	+	o	11.60	+	-
120	+0.8/+3.5	13.80	+	o	13.80	+	-
125		14.90	o	-	14.90	-	-
130		16.10	+	o	16.10	+	-
140	+0.9/+3.8	18.70	o	o	18.70	-	-
150	+1.0/+3.8	21.50	o	o	21.50	-	-
160	+1.1/+4.2	24.50	o	o	24.50	-	-
170	+1.1/+4.5	27.60	o	-	27.60	-	-
175	+1.2/+5.0	29.90	-	-	29.90	-	-
180		30.90	o	o	30.90	-	-
190		34.40	o	-	34.40	-	-
200		38.20	o	o	38.20	-	-
210	+1.4/+5.8	42.89	o		42.89	-	
220		46.95	o		46.95	-	
230		51.20	o		51.20	-	
250	+1.5/+6.2	60.45	o		60.45	-	
260		65.26	o		65.26	-	
280	+1.6/+6.5	75.59	o		75.59	-	
300	+1.7/+7.0	86.79	o		86.79	-	

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Tubes of PA 6E

$\rho = 1.14 \text{ g/cm}^3$



Nominal size		Tolerance	Tolerance	3000		
ø in mm		in mm	in mm	kg/m		
OD	ID	OD	ID			
25	12	+0.4/+1.1	-0.4/-1.1	0.50	+	-
	15			0.41	+	-
30	15			0.68	+	o
	20			0.51	+	-
35	15	+0.6/+2.0	-0.6/-2.0	1.05	+	-
	20			0.95	+	-
	25			0.70	+	-
40	20			1.24	+	o
	25			1.05	+	o
	30			0.81	+	-
45	20			1.64	+	-
	25			1.43	+	o
	30			1.20	+	-
50	20			2.10	+	o
	25			1.89	+	-
	30			1.65	+	o
	35			1.37	+	-
55	30	+0.8/+2.5	+0.8/+2.5	2.14	+	-
	35			1.91	+	-
60	30			2.74	+	o
	35			2.45	+	-

Nominal size		Tolerance	Tolerance	3000		
ø in mm		in mm	in mm	kg/m		
OD	ID	OD	ID			
60	40	+0.8/+2.5	+0.8/+2.5	2.13	+	o
	50			1.35	+	-
65	35	+0.8/+3.0	-0.8/-3.0	3.05	+	-
	40			2.71	+	-
70	30			1.92	+	-
	40			4.00	+	-
75	30			3.40	+	-
	40			2.61	+	-
80	30			2.81	+	-
	40			5.42	+	o
80	40			4.80	+	o
	50			3.95	+	o
	60			3.04	+	o
90	40			6.45	+	-
	50			+1.2/+3.6	-1.6/-5.0	5.65
100	60			4.75	+	o
	50			7.45	+	-
100	60			6.55	+	-
	70			5.45	+	o
125	80	+1.5/+4.5	-2.0/-6.5	4.10	+	-
	80			10.00	+	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Sheets of PA 66

$$\rho = 1.14 \text{ g/cm}^3$$

Thickness	Tolerance	3000 x 610			2000 x 610			2000 x 1000		
		kg/m			kg/m			kg/m		
1	+/-0.10							1.25	-	
2	-0.15/+0.15							2.45	-	
3	+0.2/+0.2							3.60	+	
4								4.80	+	
5	-0.25/+0.25							6.00	+	
6								7.18	+	
8	+0.2/+0.9	6.50	+	-	6.50	o	-			
10		8.00	+	-	8.00	o	-			
12	+0.3/+1.5	9.90	+	-	9.90	o	-			
15		12.15	+	-	12.15	o	-			
20		15.80	+	-	15.80	o	-			
25		19.50	+	-	19.50	o	-			
30		23.20	+	-	23.20	o	-			
35	+0.5/+2.5	27.50	-	-	27.50	o	-			
40		31.30	-	-	31.30	o	-			
50		38.70	+	-	38.70	o	-			
60	+0.5/+3.5	46.80	-	-	46.80	o	-			

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Rods of PA 66

$$\rho = 1.14 \text{ g/cm}^3$$



Nominal size ø in mm	Tolerance in mm	3000			1000		
		kg/m			kg/m		
6	+0.1/+0.4	0.04	+	-	0.04	o	-
8	+0.1/+0.5	0.06	+	-	0.06	+	-
10		0.10	+	-	0.10	+	-
12	+0.2/+0.7	0.14	+	-	0.14	+	-
15		0.22	+	-	0.22	o	-
16		0.25	+	-	0.25	+	-
18		0.31	+	-	0.31	o	-
20		0.39	+	-	0.39	+	-
22	+0.2/+0.9	0.47	o	-	0.47	-	-
25		0.60	+	-	0.60	+	-
27		0.72	-	-	0.72	-	-
28		0.76	-	-	0.76	-	-
30		0.86	+	-	0.86	+	-
32		0.99	+	-	0.99	-	-
35	+0.2/+1.1	1.20	+	-	1.20	+	-
40		1.50	+	-	1.50	+	-
45	+0.3/+1.3	1.90	+	-	1.90	+	-
50		2.40	+	-	2.40	+	-

Nominal size ø in mm	Tolerance in mm	3000			1000		
		kg/m			kg/m		
55		2.90	+	-	2.90	+	-
60	+0,3/+1,6	3.40	+	-	3.40	+	-
65		4.00	+	-	4.00	+	-
70		4.60	+	-	4.60	+	-
75		5.30	+	-	5.30	o	-
80	+0,4/+2,0	6.00	+	-	6.00	+	-
85		6.90	o	-	6.90	-	-
90	+0,5/+2,2	7.70	+	-	7.70	+	-
95		8.70	-	-	8.70	-	-
100	+0,6/+2,5	9.50	+	-	9.50	+	-
110	+0,7/+3,0	11.60	o	-	11.60	-	-
120	+0,8/+3,5	13.80	o	-	13.80	-	-
125		14.90	-	-	14.90	-	-
130		16.10	o	-	16.10	-	-
135		17.67	-	-	17.67	-	-
140	+0,9/+3,8	18.70	o	-	18.70	-	-
150	+1,0/+3,8	21.50	o	-	21.50	-	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Sheets of POM-C

$$\rho = 1.41 \text{ g/cm}^3$$

Thickness	Tolerance	3000 x 1220			3000 x 610			2000 x 610			2000 x 1000		
		kg/m			kg/m			kg/m			kg/m		
in mm	in mm												
1	-0.1/+0.1										1.55	+	
2	-0.15/+0.15										2.96	+	+
3	-0.2/+0.2										4.50	+	+
4											6.00	+	+
5	-0.25/+0.25										7.50	+	+
6											8.97	+	+
8	+0.2/+0.9	16.23	+	-	8.10	+	+	8.10	+	+	13.30	+	+
10		19.88	+	-	9.95	+	+	9.95	+	+	16.30	+	+
12	+0.3/+1.5	24.63	o	-	12.30	+	+	12.30	+	+	19.50	+	+
15		30.10	+	-	15.00	+	+	15.00	+	+	24.70	+	+
20		39.22	+	-	19.60	+	+	19.60	+	+	32.16	+	+
25		48.34	+	-	24.20	+	+	24.20	+	+	39.64	+	+
30		57.46	+	-	28.70	+	+	28.70	+	+	47.10	+	+
35	+0.5/+2.5	68.40	o	-	33.20	+	+	33.20	o	+	55.50	+	+
40		77.52	o	-	38.70	+	+	38.70	+	+	63.60	+	+
45		86.64	-	-	43.30	o	+	43.30	-	-	71.50	-	-
50		95.76	+	-	47.00	+	+	47.00	+	+	78.50	+	+
60	+0.5/+3.5	115.83	+	-	57.00	o	+	57.00	+	+	95.00	+	+
70		131.94	+	-	66.00	o	+	66.00	o	+	109.95	+	+
80		149.89	+	-	75.00	o	+	75.00	+	+	124.91	+	+
90	+0.8/+4.5	169.63	+	-	84.80	o	-	84.80	o	-	141.36	+	+
100	+1.0/+5.5	189.38	+	-	94.70	o	+	94.70	+	+	157.82	+	+
110		207.33	+	-	103.70	o	+	103.70	-	+	172.78	-	-
125	+1.0/+6.0	235.15	-	-	117.40	-	-	117.40	+	+	195.96	-	-
150		280.03	-	-	140.02	-	-	140.02	+	+	233.36	-	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Rods of POM-C

$\rho = 1.41 \text{ g/cm}^3$



Nominal size	Tolerance	3000			1000		
		kg/m			kg/m		
6	+0.1/+0.4	0.05	+	-	0.05	+	-
8	+0.1/+0.5	0.08	+	-	0.08	+	-
10		0.12	+	+	0.12	+	+
12	+0.2/+0.7	0.18	+	+	0.18	+	+
15		0.28	+	+	0.28	+	+
16		0.31	+	+	0.31	+	+
18		0.40	+	+	0.40	+	+
20		0.48	+	+	0.48	+	+
22	+0.2/+0.9	0.58	+	+	0.58	+	+
25		0.76	+	+	0.76	+	+
28		0.95	+	+	0.95	+	+
30		1.08	+	+	1.08	+	+
32		1.25	+	+	1.25	+	+
35	+0.2/+1.1	1.50	+	+	1.50	+	+
40		1.91	+	+	1.91	+	+
45	+0.3/+1.3	2.43	+	+	2.43	+	+
50		2.98	+	+	2.98	+	+
55		3.60	+	+	3.60	+	+
60	+0.3/+1.6	4.30	+	+	4.30	+	+
65		5.05	+	+	5.05	+	+
70		5.80	+	+	5.80	+	+
75		6.70	+	+	6.70	+	+
80	+0.4/+2.0	7.60	+	+	7.60	+	+
85		8.55	o	o	8.55	-	-
90	+0.5/+2.2	9.65	+	+	9.65	+	+
95		10.86	-	-	10.86	-	-

Nominal size	Tolerance	3000			1000		
		kg/m			kg/m		
100	+0,6/+2,5	11.80	+	+	11.80	+	+
110	+0,7/+3,0	14.50	+	+	14.50	+	+
120	+0,8/+3,5	17.20	+	+	17.20	+	+
125		18.60	+	+	18.60	+	+
130		20.20	+	+	20.20	+	+
140	+0,9/+3,8	23.40	+	+	23.40	+	+
150	+1,0/+3,8	26.90	+	+	26.90	+	+
160	+1,1/+4,2	30.50	+	+	30.50	+	+
170	+1,1/+4,5	34.50	+	+	34.50	+	+
175		37.23	-	-	37.23	-	-
180	+1,2/+5,0	38.80	+	+	38.80	+	+
190		42.90	+	+	42.90	+	+
200	+1,3/+5,5	47.80	+	+	47.80	+	+
210	+1,4/+5,8	52.00	+	+	52.00	+	+
220		58.50	+	+	58.50	+	+
230		63.80	+	+	63.80	+	+
250	+1,5/+6,2	75.40	+	+	75.40	+	+
260		81.40	+	+	81.40	+	+
280	+1,6/+6,5	93.00	+	-	93.00	+	-
300	+1,8/+8,0	107.00	+	+	107.00	+	+
310		116.19	-	-	116.19	-	-
350	+2,0/+8,0	147.30	-	-	147.30	+	-
400		191.27	-	-	191.27	+	-
450	+2,0/+10,0	243.13	-	-	243.13	+	-
500		298.86	-	-	298.86	+	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Tubes of POM-C

$$\rho = 1.41 \text{ g/cm}^3$$

Nominal size		Tolerance	Tolerance	3000			1000		
ø in mm		in mm	in mm	kg/m			kg/m		
OD	ID	OD	ID						
25	15	+0.4/+1.1	-0.4/-1.1	0.52	+	-	0.52	+	-
30	15			0.84	+	-	0.84	+	-
30	20			0.65	+	-	0.65	+	-
35	15	+0.6/+2.0	-0.6/-2.0	1.20	+	-	1.20	+	-
35	20			1.10	+	-	1.10	+	-
35	25			0.87	+	-	0.87	+	-
40	20			1.56	+	-	1.56	+	-
40	25			1.29	+	-	1.29	+	-
40	30			1.00	+	-	1.00	+	-
45	20			2.03	+	-	2.03	+	-
45	25			1.79	+	-	1.79	+	-
45	30			1.49	+	-	1.49	+	-
50	20			2.60	+	-	2.60	+	-
50	25			2.38	+	-	2.38	o	-
50	30			2.04	+	+	2.04	+	-
50	35			1.72	+	-	1.72	+	-
55	30	+0.8/+2.5	-0.8/-2.5	2.75	+	-	2.75	+	-
55	35			2.37	+	-	2.37	+	-
60	30			3.40	+	-	3.40	+	-
60	35			3.04	+	-	3.04	o	-
60	40			2.63	+	+	2.63	+	-
60	50			1.65	+	-	1.65	+	-
65	30	+0.8/+3.0	-0.8/-3.0	4.10	+	-	4.10	+	-
70	30			4.94	+	-	4.94	+	-
70	50			3.22	+	-	3.22	+	-
80	40			5.94	+	+	5.94	+	-
80	50			4.90	+	+	4.90	o	-
80	60			3.76	+	+	3.76	+	-
90	40			7.93	+	-	7.93	+	-
90	50	+1.2/+3.6	-1.6/-5.0	7.10	+	-	7.10	+	-
90	60			6.00	+	-	6.00	+	-
90	70			4.65	+	-	4.65	+	-
100	40			10.20	+	-	10.20	+	-
100	50			9.30	+	+	9.30	+	-
100	60			8.80	+	-	8.80	o	-
100	70			6.90	+	-	6.90	+	-
100	80			5.20	+	-	5.20	+	-
110	50			11.69	+	+	11.69	+	-
110	60			10.50	+	-	10.50	+	-
110	80			7.50	+	-	7.50	+	-
120	60	+1.5/+4.5	-2.0/-6.5	13.40	+	-	13.40	+	-
120	80			10.40	+	-	10.40	+	-
120	100			6.60	+	-	6.60	+	-
125	80			12.20	+	-	12.20	+	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Tubes of POM-C



$\rho = 1.41 \text{ g/cm}^3$

Nominal size		Tolerance	Tolerance	3000			1000		
ø in mm		in mm	in mm	kg/m			kg/m		
OD	ID	OD	ID						
130	100	+1.5/+4.5	-2.0/-6.5	9.60	+	-	9.60	+	-
130	110			7.30	+	-	7.30	+	-
140	100			13.00	+	-	13.00	+	-
140	110			10.50	+	-	10.50	+	-
150	80			19.90	+	-	19.90	+	-
150	100			16.10	+	-	16.10	+	-
170	100	+1.8/+5.4	-2.2/-7.5	23.80	+	-	23.80	+	-
170	130			16.20	+	-	16.20	+	-
180	100			26.90	+	-	26.90	+	-
180	140			17.50	+	-	17.50	+	-
180	160			10.80	+	-	10.80	+	-
210	160	+2.0/+6.0	-2.5/-8.5	24.80	+	-	24.80	+	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Sheets of PET | PET-GL

$$\rho = 1.37 \text{ g/cm}^3$$

Thickness	Tolerance	2000 x 1000			2000 x 610			Tolerance	PET-GL 2000 x 610		
		in mm	in mm	kg/m		kg/m			in mm	kg/m	
2	+0.15/-0.15	2.9	+								
3	+0.2/0.2	4.3	+								
4		5.7	+								
5	+0.25/-0.25	7.1	+								
6		8.6	+								
8	+0.2/+0.9	12.9	+	-	7.8	+	+0.2/+0.9	8.00	+		
10		15.8	+	+	9.6	+		9.90	+		
12	+0.3/+1.5	19.5	+	-	11.9	+	+0.3/+1.5	12,25	+		
15		23.8	+	+	14.6	+		15.00	+		
20		31.0	+	+	18.9	+		19.50	+		
25		38.3	+	+	23.3	+		24.00	+		
30		45.5	+	+	27.7	+		28.60	+		
35	+0.5/+3.5	54.1	+	o	32.9	o		33.48	-		
40		61.3	+	+	37.4	+	+0.5/+2.5	38.60	+		
50		75.8	+	+	46.2	+		47.60	+		
60		91.6	+	+	55.9	+	+0.5/+3.5	57.60	+		
70								65.61	-		
80								74.60	-		
90	+0.8/+4.5						+0.8/+4.5	84.36	-		
100	+1.0/+5.5						+1.0/+5.5	94.20	-		

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Rods of PET | PET-GL

$\rho = 1.37 \text{ g/cm}^3$

Nominal size ø in mm	Tolerance in mm	3000			1000			PET-GL 3000		PET-GL 1000	
		kg/m			kg/m			kg/m		kg/m	
8	+0.1/+0.5	0.08	-	-	0.08	-	-	0.08	-	0.12	-
10		0.12	+	+	0.12	+	+	0.12	+	0.18	+
12	+0.2/+0.7	0.17	+	-	0.17	+	-	0.18	-	0.27	-
15		0.27	+	o	0.27	+	-	0.27	+	0.32	+
16		0.31	+	-	0.31	+	-	0.32	-	0.40	-
18		0.38	+	-	0.38	+	-	0.40	-	0.49	-
20		0.48	+	o	0.48	+	-	0.49	+	0.60	+
22		0.59	-	-	0.59	-	-	0.60	-	0.76	-
25	+0.2/+0.9	0.73	+	+	0.73	+	+	0.76	+	0.94	+
28		0.93	-	-	0.93	-	-	0.94	-	1.07	-
30		1.06	+	+	1.06	+	+	1.07	+	1.22	+
32		1.20	-	-	1.20	-	-	1.22	-	1.48	-
35	+0.2/+1.1	1.45	+	o	1.45	+	-	1.48	+	1.72	+
38		1.70	-	-	1.70	-	-	1.72	-	1.90	-
40		1.88	+	+	1.88	+	+	1.90	+	2.42	+
45	+0.3/+1.3	2.38	+	-	2.38	+	-	2.42	-	2.97	-
50		2.92	+	+	2.92	+	+	2.97	+	3.57	+
55		3.50	+	-	3.50	+	-	3.57	-	4.27	-
60	+0.3/+1.6	4.20	+	+	4.20	+	+	4.27	+	4.99	+
65		4.90	+	-	4.90	+	-	4.99	-	5.78	-
70		5.70	+	+	5.70	+	+	5.78	+	6.61	+
75		6.51	+	-	6.51	o	-	6.61	-	7.57	-
80	+0.4/+2.0	7.46	+	+	7.46	+	+	7.57	+	8.51	+
85		8.40	-	-	8.40	-	-	8.51	-	9.56	-
90	+0.5/+2.2	9.42	+	+	9.42	+	+	9.56	+	10.62	+
95		10.47	-	-	10.47	-	-	10.62	-	11.81	-
100	+0.6/+2.5	11.65	+	+	11.65	+	+	11.81	+	14.40	+
110	+0.7/+3.0	14.15	+	+	14.15	+	+	14.40	+	17.20	+
120	+0.8/+3.5	16.90	+	+	16.90	+	+	17.20	+	18.58	+
125		18.30	-	-	18.30	-	-	18.58	-	20.10	-
130		19.75	+	+	19.75	+	+	20.10	+	21.58	+
135		21.27	-	-	21.27	-	-	21.58	-	23.30	-
140	+0.9/+3.8	22.93	+	-	22.93	+	-	23.30	+	26.60	+
150	+1.0/+3.8	26.23	+	+	26.23	+	+	26.60	o	30.60	-
160	+1.1/+4.2	29.60	+		29.60	+					
170	+1.1/+4.5				33.45	+					
175					35.91	-					
180	+1.2/+5.0				37.90	+					
190					42.15	-					
200	+1.3/+5.5				46.80	+					

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Tubes of PET | PET-GL

$$\rho = 1.37 \text{ g/cm}^3$$

Nominal size		Tolerance	Tolerance	3000		1000		PET-GL 3000	
ø in mm		in mm	in mm	kg/m		kg/m		kg/m	
OD	ID	OD	ID						
50	40	+0.6/+2.0	-0.6/-2.0	1.27	+	1.27	+	1.28	o
60	30	+0.8/+2.5	-0.8/-2.5	3.34	+	3.34	+	3.37	o
65	50	+0.8/+3.0	-0.8/-3.0	2.38	+	2.38	+	2.43	o
70	30			4.89	o	4.89	-	4.93	o
70	40			4.15	+	4.15	+	4.18	o
80	40			5.87	o	5.87	-	5.91	o
80	60			3.72	+	3.72	+	3.75	o
90	50	+1.2/+3.6	-1.6/-5.0	7.09	o	7.09	-	7.15	o
90	70			4.56	+	4.56	+	4.60	o
100	50			9.27	o	9.27	-	9.34	o
100	80			5.10	+	5.10	+	5.18	o

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Sheets of PEEK

$\rho = 1.32 \text{ g/cm}^3$

Thickness	Tolerance	2000 x 1000	
in mm	in mm	kg/m	
8	+0.2/+0.9	12.46	–
10		15.26	○
12	+0.3/+1.5	18.91	○
15		23.11	○
20		30.11	○
25		37.11	○
30		44.11	○
35		52.51	–
40	+0.5/+2.5	59.52	○
50		73.52	–
60		88.92	–

- + Stock item
- Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Rods of PEEK

$$\rho = 1.32 \text{ g/cm}^3$$

Nominal size	Tolerance	3000		1000	
ø in mm	in mm	kg/m		kg/m	
6	+0.1/+0.4	0.043	-	0.043	-
8		0.076	o	0.076	-
10	+0.1/+0.5	0.117	+	0.117	+
12		0.170	+	0.170	+
15	+0.2/+0.7	0.261	+	0.261	+
20		0.460	+	0.460	+
25	+0.2/+0.9	0.710	+	0.710	+
30		1.010	+	1.010	+
35		1.390	o	1.390	-
40	+ 0.2/+1.1	1.790	+	1.790	+
45		2.270	-	2.270	-
50	+0.3/+1.3	2.790	+	2.790	+
55		3.350	-	3.350	-
60	+0.3/+1.6	4.020	+	4.020	+
65		4.690	-	4.690	-
70		5.430	+	5.430	+
75		6.210	-	6.210	-
80	+0.4/+2.0	7.120	o	7.120	o
85		8.000	-	8.000	-
90		8.990	-	8.990	-
95		9.990	-	9.990	-
100	+0.6/+2.5	11.110	-	11.110	-
110		13.500	o	13.500	o
120		16.130	o	16.130	o
125		17.460	-	17.460	-
130		18.850	-	18.850	-
135		20.280	-	20.280	-
140		21.870	o	21.870	o
150		25.010	-	25.010	-

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

Sheets of PTFE

$\rho = 2.18 \text{ g/cm}^3$

35

Thickness	Tolerance	1200 x 1200	
in mm	in mm	kg/m	
10	0/+1.5	29.1	+
12		32.8	+
15	0/+2.25	44.0	+
20	0/+3.00	59.2	+
25	0/+3.75	73.3	+

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.



Rods of PTFE

$$\rho = 2.18 \text{ g/cm}^3$$

Nominal size	Tolerance	1000	
\varnothing in mm	in mm	kg/m	
25	0/+1.2	1.23	+
30	0/+1.6	1.75	+
50	0/+2.4	4.66	+
60	0/+2.8	6.61	+
70	0/+3.2	8.92	+
80	0/+3.6	11.50	+
90	0/+4.0	14.60	+
100	0/+5.0	18.00	+

- + Stock item
- o Short production time
- Longer delivery times
and minimum quantities

Cut to size pieces available on request.

Sheets of PVC-U

$\rho = 1.42 \text{ g/cm}^3$

37

Thickness	Tolerance	2000 x 1000	
in mm	in mm	kg/m	
10	± 0.38	14.50	+
15	± 0.53	21.75	+
20	± 0.68	29.00	+
25	± 0.83	36.25	+

- + Stock item
- o Short production time
- Longer delivery times and minimum quantities

Cut to size pieces available on request.

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