

PA6.6

Product Information



Our PA 6.6 – quality plastic

Compared to PA 6, PA 6.6 has a slightly higher surface hardness and rigidity, as well as reduced moisture absorption. Further positive features include increased wear and heat resistance, but it has a lower toughness compared to PA 6.

One popular modification is the 30% glass fibre reinforcement. PA 6.6 GF 30 features increased dimensional stability, very high rigidity and even greater heat resistance compared to unreinforced versions.

Application areas for PA 6.6:

- Mechanical engineering
- Aircraft construction
- Electrical appliance industry
- Automobile industry
- Equipment manufacturing

Product Information / Product Charts

Characteristics:

- Good dimensional stability
- Very good antifriction properties
- High abrasion resistance
- Exceptionally high strength and hardness across a wide range of temperatures
- Very good machinability
- Good self-adhesive properties
- Good weldability
- High continuous service temperature

Colour:

natural and PA 6.6 GF 30 in black

Sheets



SHEETS PA 6.6	Thickness mm	Tolerance mm	Weight kg/item
3000 x 610 mm	8	+0.2 / +0.9	18.45
	10	+0.2 / +0.9	22.77
	12	+0.3 / +1.5	27.84
	15	+0.3 / +1.5	34.35
	16	+0.3 / +1.5	36.45
	20	+0.3 / +1.5	45.15
	25	+0.3 / +1.5	55.95
	30	+0.5 / +2.5	67.95
	35	+0.5 / +2.5	78.75
	40	+0.5 / +2.5	89.55
	45	+0.5 / +2.5	100.35
	50	+0.5 / +2.5	111.15
	60	+0.5 / +3.5	133.80
	70	+0.5 / +3.5	155.40
	80	+0.5 / +5.0	178.65
	90	+0.5 / +5.0	200.25
	100	+0.5 / +5.0	221.85

Round Bars



ROUND BARS PA 6.6	Ø mm	Tolerance mm	Weight kg/item
L = 3000 mm	5	+0.1 / +0.4	0.08
	6	+0.1 / +0.4	0.11
	8	+0.1 / +0.5	0.19
	10	+0.1 / +0.5	0.29
	12	+0.2 / +0.7	0.42
	14	+0.2 / +0.7	0.57
	15	+0.2 / +0.7	0.65
	16	+0.2 / +0.7	0.74
	18	+0.2 / +0.7	0.93
	20	+0.2 / +0.7	1.14
	22	+0.2 / +0.9	1.39
	25	+0.2 / +0.9	1.79
	28	+0.2 / +0.9	2.22
	30	+0.2 / +0.9	2.55
	32	+0.2 / +1.1	2.91
	36	+0.2 / +1.1	3.66
	40	+0.2 / +1.1	4.50
	45	+0.3 / +1.3	5.73
	50	+0.3 / +1.3	7.05
	56	+0.3 / +1.3	8.79
	60	+0.3 / +1.6	10.14
	65	+0.3 / +1.6	11.85
	70	+0.3 / +1.6	13.71
	75	+0.4 / +2.0	15.84
	80	+0.4 / +2.0	17.97
	85	+0.5 / +2.2	20.34
	90	+0.5 / +2.2	22.74
	95	+0.6 / +2.5	25.41
	100	+0.6 / +2.5	28.11
	110	+0.7 / +3.0	34.05
	120	+0.8 / +3.5	40.65
	125	+0.8 / +3.5	44.10
	130	+0.9 / +3.8	47.70
	140	+0.9 / +3.8	55.20
	150	+1.0 / +4.2	63.45
	160	+1.1 / +4.5	72.30
	170	+1.2 / +5.0	81.75
	180	+1.2 / +5.0	91.35
	190	+1.3 / +5.5	102.00
	200	+1.3 / +5.5	112.80
	220	+1.3 / +5.8	136.20
	250	+1.5 / +6.2	175.65

PA6.6 GF30

Product Charts

Sheets



SHEETS PA 6.6 GF30	Thickness mm	Tolerance mm	Weight kg/item
3000 x 625 mm	10	+0.2 / +0.9	26.52
	15	+0.3 / +1.5	39.90
	20	+0.3 / +1.5	52.50
	25	+0.3 / +1.5	65.10
	30	+0.5 / +2.5	79.20
	40	+0.5 / +2.5	104.40
	50	+0.5 / +2.5	129.45
	60	+0.5 / +3.5	155.85
	70	+0.5 / +3.5	181.05
	80	+0.5 / +5.0	208.05
	90	+0.5 / +5.0	233.10
	100	+0.5 / +5.0	258.30

Round Bars



ROUND BARS PA 6.6 GF30	Ø mm	Tolerance mm	Weight kg/item
L = 3000 mm	10	+0.1 / +0.5	0.33
	12	+0.2 / +0.7	0.49
	15	+0.2 / +0.7	0.75
	16	+0.2 / +0.7	0.85
	18	+0.2 / +0.7	1.07
	20	+0.2 / +0.7	1.31
	22	+0.2 / +0.9	1.59
	25	+0.2 / +0.9	2.04
	28	+0.2 / +0.9	2.55
	30	+0.2 / +0.9	2.91
	32	+0.2 / +1.1	3.33
	36	+0.2 / +1.1	4.20
	40	+0.2 / +1.1	5.16
	45	+0.3 / +1.3	6.54
	50	+0.3 / +1.3	8.04
	60	+0.3 / +1.6	11.58
	70	+0.3 / +1.6	15.66
	80	+0.4 / +2.0	20.52
	90	+0.5 / +2.2	25.98
	100	+0.6 / +2.5	32.10
	110	+0.7 / +3.0	39.00
	120	+0.8 / +3.5	46.50
	125	+0.8 / +3.5	50.40
	130	+0.9 / +3.8	54.60
	140	+0.9 / +3.8	63.15
	150	+1.0 / +4.2	72.60
	180	+1.2 / +5.0	104.55
	200	+1.3 / 5.5	128.85



GT-S7562 FOG TEST V00



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We produce plastic stock shapes
and engineer tailor made solutions.



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