



<p>Stock Availability:</p> <p>Standard lengths 3 meters, also cut to size</p> <p>Rod 5 - 200 mm diameter</p> <p>Plate 5 - 100 mm thick</p> <p>Tube 40/25 mm – 300/200 mm</p> <p>Other dimensions on request</p> <p>Finished, machined parts</p>	<p>Preferred Fields:</p> <p>Transport and conveyor, packaging/paper-processing-machinery. Bottling plants.</p>
<p>Material description:</p> <p>DIN Abbreviation: PA 6G</p> <p>Chemical Designation: Polyamide</p> <p>Color, Filler: Green</p> <p>Multiplast 6G modified Polyamide is an engineering plastics for very demanding applications.</p> <ul style="list-style-type: none"> • Good abrasion behavior • Very good sliding properties even in dry running conditions • Easy machined • Resistant to many oils, grease, diesel and petrol • Wear resistant 	<p>Applications:</p> <ul style="list-style-type: none"> • wear strips • bushes • transporting screws • sliding strips • bearing bushes <p>Colors:</p> <p>Green </p>

Properties	Unit	Test method DIN /ISO/ ASTM	Value	
			Dry	Moist
Mechanical				
Tensile strength at yield	Mpa	DIN EN ISO 527	64	84
Elongation at break	%	DIN EN ISO 527	17	11
Modulus of elasticity in tension	Mpa	DIN EN ISO 527	3260	3600
Hardness	Shore D	DIN 53 505	80-85	
Thermal				
Max. service temperature short term	°C		150	
long term	°C		100	
Coefficient of thermal expansion	10 ⁻⁵ /K	DIN 53 752	9	
Miscellaneous				
Coefficient of friction against hardened and ground steel p = 0,05 N/mm ² , v = 0,6 m/s	-		0.12	
Wear rate conditions as above	µm/km		< 0,1	
Density	g/cm ³	DIN 53 479	1,13	
Moisture absorption: Equilibrium in standard atmosphere (23 °C / 50 % relative humidity)	%	DIN EN ISO 62	2,5	

The following information corresponds with our current knowledge and indicates our products and possible applications. We cannot give a legally binding guarantee of certain properties or the suitability for a specific application. Existing commercial patents must be observed. A definitive quality guarantee is given in our general conditions of sales. Unless otherwise stated, these values represent averages taken from injection molding samples. We reserve the right of technical alterations.