

## GRIMID B G04 FR0

Polyamide 6 glass fibre reinforced 20%, UL94 V0, good flow and mechanical properties.

Properties	Test Method	Unit	Typical Value
<b>Physical</b>			
MFI	ISO 292	g/10'	0
Density (23°C)	ISO 1183	g/cm <sup>3</sup>	1,40-1,42
Water Absorption (24h/23°C)	ISO 62	%	1,5
Water Absorption at Saturation	ISO 62	%	7
Mould Shrinkage (Parallel)	ASTM D-955	%	0,3-0,5
Mould Shrinkage (Normal)	ASTM D-955	%	0,5-0,8
<b>Mechanical</b>			
Izod Notched Impact (+23 °C)	ISO 180	J/m	60
Izod Notched Impact Strength(-20 °C)	ISO 180	J/m	0
Charpy Notched Impact (+23 °C)	ISO 179	kJ/m <sup>2</sup>	5,8
Charpy Unnotched Impact (+23 °C)	ISO 179	kJ/m <sup>2</sup>	30
Charpy Unnotched Impact (-20 °C)	ISO 179	kJ/m <sup>2</sup>	0
Tensile Modulus	ASTM D-638	N/mm <sup>2</sup>	7000
Elongation at Break	ASTM D-638	%	3
Tensile Break Strength	ASTM D-638	N/mm <sup>2</sup>	120
Tensile Yield Strength	ASTM D-638	N/mm <sup>2</sup>	0
<b>Thermal</b>			
Vicat Temperature (1kg)	ASTM D-1525	°C	210
Vicat Temperature (5kg)	ASTM D-1525	°C	205
Heat Deflection Temperature (0,45 N/mm <sup>2</sup> )	ASTM D-648	°C	0
Heat Deflection Temperature (1,82 N/mm <sup>2</sup> )	ASTM D-648	°C	200
Continuous Service Temperature (20.000 h)	60216/P1 IEC	°C	90(120h)
<b>Electrical</b>			
Volume Resistivity	ASTM D-257	Ohm cm	10EXP(15)
Tracking Resistance (CTI-Method A)	60112 IEC	Volt	300
Electric Strength (Thickness)	ASTM D-149	kV/mm	22
<b>Flammability</b>			
Flammability Rating	UL 94	-	V0 (0,97 mm)
Glow Wire Test	60695-2-1 IEC	°C	960°@2 mm

The data and informations contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.