

## GRILAC G03

ABS glass fiber 17%, good dimensional stability, low shrinkage

Properties	Test Method	Unit	Typical Value
<b>Physical</b>			
MFI	ISO 292	g/10'	8
Density (23°C)	ISO 1183	g/cm <sup>3</sup>	1,17
Water Absorption (24h/23°C)	ISO 62	%	0,1
Water Absorption at Saturation	ISO 62	%	0,2
Mould Shrinkage (Parallel)	ASTM D-955	%	0,1-0,3
Mould Shrinkage (Normal)	ASTM D-955	%	0,3-0,8
<b>Mechanical</b>			
Izod Notched Impact (+23 °C)	ISO 180	J/m	60
Izod Notched Impact Strength(-20 °C)	ISO 180	J/m	40
Charpy Notched Impact (+23 °C)	ISO 179	kJ/m <sup>2</sup>	0
Charpy Unnotched Impact (+23 °C)	ISO 179	kJ/m <sup>2</sup>	0
Charpy Unnotched Impact (-20 °C)	ISO 179	kJ/m <sup>2</sup>	0
Tensile Modulus	ASTM D-638	N/mm <sup>2</sup>	5600
Elongation at Break	ASTM D-638	%	2
Tensile Break Strength	ASTM D-638	N/mm <sup>2</sup>	78
Tensile Yield Strength	ASTM D-638	N/mm <sup>2</sup>	0
<b>Thermal</b>			
Vicat Temperature (1kg)	ASTM D-1525	°C	108
Vicat Temperature (5kg)	ASTM D-1525	°C	104
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	96
Continuous Service Temperature (20.000 h)	60216/P1 IEC	°C	75
<b>Electrical</b>			
Volume Resistivity	ASTM D-257	Ohm cm	10EXP(15)
Tracking Resistance (CTI-Method A)	60112 IEC	Volt	0
Electric Strength (Thickness)	ASTM D-149	kV/mm	0
<b>Flammability</b>			
Flammability Rating	UL 94	-	HB (1,6 mm)
Glow Wire Test	60695-2-1 IEC	°C	550°@2 mm

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