

## VIPLON G06

PC medium viscosity, glass fibre reinforced 30%, very good mechanical properties, good dimensional stability

Properties	Test Method	Unit	Typical Value
<b>Physical</b>			
MFI	ISO 292	g/10'	10
Density (23°C)	ISO 1183	g/cm <sup>3</sup>	1,42-1,44
Water Absorption (24h/23°C)	ISO 62	%	0,05
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
<b>Mechanical</b>			
Izod Notched Impact (+23 °C)	ISO 180	J/m	135
Izod Notched Impact Strength(-20 °C)	ISO 180	J/m	115
Charpy Notched Impact (+23 °C)	ISO 179	kJ/m <sup>2</sup>	9
Charpy Unnotched Impact (+23 °C)	ISO 179	kJ/m <sup>2</sup>	44
Charpy Unnotched Impact (-20 °C)	ISO 179	kJ/m <sup>2</sup>	38
Tensile Modulus	ASTM D-638	N/mm <sup>2</sup>	8600
Elongation at Break	ASTM D-638	%	3
Tensile Break Strength	ASTM D-638	N/mm <sup>2</sup>	105
Tensile Yield Strength	ASTM D-638	N/mm <sup>2</sup>	0
<b>Thermal</b>			
Vicat Temperature (1kg)	ASTM D-1525	°C	154
Vicat Temperature (5kg)	ASTM D-1525	°C	148
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	145
Continuous Service Temperature (20.000 h)	60216/P1 IEC	°C	135
<b>Electrical</b>			
Volume Resistivity	ASTM D-257	Ohm cm	>10EXP(16)
Tracking Resistance (CTI-Method A)	60112 IEC	Volt	150
Electric Strength (Thickness)	ASTM D-149	kV/mm	24
<b>Flammability</b>			
Flammability Rating	UL 94	-	V1 (3,2 mm)
Glow Wire Test	60695-2-1 IEC	°C	850°@2 mm

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