

VAMPLUB C 15C 20TFSi

PC resin, 15% carbon fiber reinforced with improved slip properties for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,29
MVR (300°C/1,2 kg)	-	ISO-1133	cm ³ /10 min	8
Linear Mould Shrinkage	-	ASTM D-955	%	0,2
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
Water Adsorption	23°C-24h	ASTM D-570	%	0,15
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	150
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	140
Long Term Temperature	-	Internal Method	°C	135
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	9
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	25
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	110
Elongation at Break	23 °C	ISO-527/1-2	%	1,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	9000
ELECTRICAL PROPERTIES				
Surface Resistivity	-	ASTM D257	Ohm	10 ^{^3}
FLAME RESISTANCE				
Thickness 3,2 mm	-	UL 94	-	V1
Thickness 1,6 mm	-	UL 94	-	V1

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TRIBOLOGICAL PROPERTIES

Wear Factor K	-	Thrust Washer	-	30
Coeff. of Friction	Dynamic	ASTM D-1894	-	0,18
Coeff. of Friction	Static	ASTM D-1894	-	0,22