

VAMPLUB F 15C 2TF

PPS 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	1,44
Linear Mould Shrinkage	-	ASTM D-955	%	0,4
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,8
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	250
Long Term Temperature	-	Internal Method	°C	200
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	4
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	20
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	120
Elongation at Break	23 °C	ISO-527/1-2	%	1
Tensile Modulus	23 °C	ISO-527/1-2	MPa	17000
ELECTRICAL PROPERTIES				
Surface Resistivity	-	ASTM D257	Ohm	10 ³
FLAME RESISTANCE				
Thickness 3,2 mm	-	UL 94	-	V0
Thickness 1,6 mm	-	UL 94	-	V0
TRIBOLOGICAL PROPERTIES				
Wear Factor K	-	Thrust Washer	-	90
Coeff. of Friction	Dynamic	ASTM D-1894	-	0,21
Coeff. of Friction	Static	ASTM D-1894	-	0,26