

VAMPSTAT F 10C 04

PPS resin 10% carbon fibers reinforced, semiconductive for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,30
Linear Mould Shrinkage	-	ASTM D-955	%	0,5
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,9
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	240
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	240
Long Term Temperature	-	Internal Method	°C	220
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	3,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	20
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	100
Elongation at Break	23 °C	ISO-527/1-2	%	1,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	10500
ELECTRICAL PROPERTIES				
Surface Resistivity	-	ASTM D257	Ohm	10 ⁴
FLAME RESISTANCE				
Thickness 3,2 mm	-	UL 94	-	VO