

VAMPSTAT F 40C 02

PPS resin 40% carbon fibers reinforced, semiconductive for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,46
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	260
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	265
Long Term Temperature	-	Internal Method	°C	220
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	15
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	155
Elongation at Break	23 °C	ISO-527/1-2	%	7
Tensile Modulus	23 °C	ISO-527/1-2	MPa	31000
ELECTRICAL PROPERTIES				
Surface Resistivity	-	ASTM D257	Ohm	10 ^{^2}
FLAME RESISTANCE				
Thickness 3,2 mm	-	UL 94	-	V0

