

# VAMPSTAT F 40C 02

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



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>				
Density	-	ISO-1183	g/cm <sup>3</sup>	1,46
<b>THERMAL PROPERTIES</b>				
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
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	4
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	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
<b>ELECTRICAL PROPERTIES</b>				
Surface Resistivity	-	ASTM D257	Ohm	10 <sup>^2</sup>
<b>FLAME RESISTANCE</b>				
Thickness 3,2 mm	-	UL 94	-	V0