

# VAMPSTAT C 20C 02

PC resin, 20% carbon fiber reinforced, semiconductive, for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>				
Density	-	ISO-1183	g/cm <sup>3</sup>	1,27
MVR (300°C/1,2 kg)	-	ISO-1133	cm <sup>3</sup> /10 min	15
Linear Mould Shrinkage	-	ASTM D-955	%	0,3
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
<b>THERMAL PROPERTIES</b>				
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
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	6,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	35
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	135
Elongation at Break	23 °C	ISO-527/1-2	%	2
Tensile Modulus	23 °C	ISO-527/1-2	MPa	14000
<b>ELECTRICAL PROPERTIES</b>				
Surface Resistivity	-	ASTM D257	Ohm	10 <sup>^3</sup>
<b>FLAME RESISTANCE</b>				
Thickness 3,2 mm	-	UL 94	-	V0

