

# DENISTAT P 20C 02 C

PP 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>	1,00
MVR (230°C/2,16 kg)	-	ISO-1133	cm <sup>3</sup> /10 min	4
Linear Mould Shrinkage	-	ASTM D-955	%	0,3
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,6
<b>THERMAL PROPERTIES</b>				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	90
Long Term Temperature	-	Internal Method	°C	100
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	10
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	35
Elongation at Break	23 °C	ISO-527/1-2	%	1
Tensile Modulus	23 °C	ISO-527/1-2	MPa	7500
<b>ELECTRICAL PROPERTIES</b>				
Surface Resistivity	-	ASTM D257	Ohm	10 <sup>^2</sup>