

DENISTAT N 30C 02

PA6 resin, 30% carbon fiber reinforced, semiconductive for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,25
Linear Mould Shrinkage	-	ASTM D-955	%	0,3
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,6
Water Adsorption	23°C-24h	ASTM D-570	%	1,6
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	210
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	205
Long Term Temperature	-	Internal Method	°C	120
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	8
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	50
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	185
Elongation at Break	23 °C	ISO-527/1-2	%	2
Tensile Modulus	23 °C	ISO-527/1-2	MPa	19000
ELECTRICAL PROPERTIES				
Surface Resistivity	-	ASTM D257	Ohm	10 ^{^2}