

DENISTAT Y 40C 02

PA66 resin 40% carbon fiber reinforced, semiconductive for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,31
Linear Mould Shrinkage	-	ASTM D-955	%	0,2
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	253
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	254
Long Term Temperature	-	Internal Method	°C	140
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	55
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	240
Elongation at Break	23 °C	ISO-527/1-2	%	1,3
Tensile Modulus	23 °C	ISO-527/1-2	MPa	25000
ELECTRICAL PROPERTIES				
Surface Resistivity	-	ASTM D257	Ohm	10 ^{^2}

