

DENILUB Y 30C 3TF

PA66 resin, 30% carbon fiber reinforced, with improved wear properties, for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,36
Linear Mould Shrinkage	-	ASTM D-955	%	0,35
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,65
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	250
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	250
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	50
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	200
Elongation at Break	23 °C	ISO-527/1-2	%	1,8
Tensile Modulus	23 °C	ISO-527/1-2	MPa	20000
ELECTRICAL PROPERTIES				
Surface Resistivity	-	ASTM D257	Ohm	10 ^{^2}
TRIBOLOGICAL PROPERTIES				
Wear Factor K	-	Thrust Washer	-	15
Coeff. of Friction	Dynamic	ASTM D-1894	-	0,19
Coeff. of Friction	Static	ASTM D-1894	-	0,25

