

DENYL HT 5010

PPA resin 50% glass fiber reinforced for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,63
Linear Mould Shrinkage	-	ASTM D-955	%	0,1
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
Water Adsorption	23°C-24h	ASTM D-570	%	0,3
THERMAL PROPERTIES				
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	285
Long Term Temperature	-	Internal Method	°C	150
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	10
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	70
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	240
Elongation at Break	23 °C	ISO-527/1-2	%	1,8
Tensile Modulus	23 °C	ISO-527/1-2	MPa	18000
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600
Surface Resistivity	-	ASTM D257	Ohm	10 ¹³