

DENITER 1010

PBT resin, 10% glass fiber reinforced for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,37
MVR (250°C/2,16 kg)	-	ISO-1133	cm ³ /10 min	15
Linear Mould Shrinkage	-	ASTM D-955	%	1
Trasversal Mould Shrinkage	-	ASTM D-955	%	1,2
Water Adsorption	23°C-24h	ASTM D-570	%	0,4
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	205
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	195
Long Term Temperature	-	Internal Method	°C	135
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	5,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	40
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	80
Elongation at Break	23 °C	ISO-527/1-2	%	5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	4500
FLAME RESISTANCE				
GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	650
GWIT (2 mm)	-	IEC 60695-2-13	°C / mm	675