DENYL 6 5010

PA6 resin, 50% glass fiber reinforced for injection moulding

PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm^3	1,56
Linear Mould Shrinkage	-	ASTM D-955	%	0,3
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	215
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	215
Long Term Temperature	-	Internal Method	°C	120
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m^2	15
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m^2	75
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	210
Elongation at Break	23 °C	ISO-527/1-2	%	2,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	15000
Flexural Strength	23 °C	ASTM D-790	MPa	320
Flexural Modulus	23 °C	ASTM D-790	MPa	14000
FLAME RESISTANCE				
Thickness 3,2 mm	-	UL 94	-	HB
Thickness 0,75 mm	-	UL 94	-	HB