

DENYL 6 1510

PA6 resin 15% glass fiber reinforced for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,23
Linear Mould Shrinkage	-	ASTM D-955	%	0,8
Trasversal Mould Shrinkage	-	ASTM D-955	%	1
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	210
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	200
Long Term Temperature	-	Internal Method	°C	120
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	6
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	50
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	115
Elongation at Break	23 °C	ISO-527/1-2	%	3,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	5500
Flexural Strength	23 °C	ASTM D-790	MPa	180
Flexural Modulus	23 °C	ASTM D-790	MPa	5100
FLAME RESISTANCE				
Thickness 3,0 mm	-	UL 94	-	HB
Thickness 0,75 mm	-	UL 94	-	HB

