

# DENYL 6 3010

PA6 resin 30% glass fiber reinforced for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>				
Density	-	ISO-1183	g/cm <sup>3</sup>	1,35
Linear Mould Shrinkage	-	ASTM D-955	%	0,5
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,8
Water Adsorption	23°C-24h	ASTM D-570	%	1,6
<b>THERMAL PROPERTIES</b>				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	215
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	210
Long Term Temperature	-	Internal Method	°C	120
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	12
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	70
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	155
Elongation at Break	23 °C	ISO-527/1-2	%	3
Tensile Modulus	23 °C	ISO-527/1-2	MPa	9000
Flexural Strength	23 °C	ASTM D-790	MPa	250
Flexural Modulus	23 °C	ASTM D-790	MPa	8500
<b>FLAME RESISTANCE</b>				
Thickness 3,0 mm	-	UL 94	-	HB
Thickness 1,5 mm	-	UL 94	-	HB
Thickness 0,75 mm	-	UL 94	-	HB

