DENILEN B 5010 CB

PP resin, 50% glass fiber reinforced for injection moulding

PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm^3	1,32
MVR (230°C/2,16 kg)	-	ISO-1133	$cm^3/10$ min	3
Linear Mould Shrinkage	-	ASTM D-955	%	0,2
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
Water Adsorption	23°C-24h	ASTM D-570	%	0,02
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	145
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	150
Long Term Temperature	-	Internal Method	°C	120
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m^2	8
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m^2	35
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	90
Elongation at Break	23 °C	ISO-527/1-2	%	2
Tensile Modulus	23 °C	ISO-527/1-2	MPa	10000