

DENILEN 2013

PP resin, 20% mineral filled for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,04
MVR (230°C/2,16 kg)	-	ISO-1133	cm ³ /10 min	12
Linear Mould Shrinkage	-	ASTM D-955	%	1,3
Trasversal Mould Shrinkage	-	ASTM D-955	%	1,3
Water Adsorption	23°C-24h	ASTM D-570	%	0,02
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	105
Long Term Temperature	-	Internal Method	°C	110
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	3,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	40
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	25
Elongation at Break	23 °C	ISO-527/1-2	%	>20
Tensile Modulus	23 °C	ISO-527/1-2	MPa	2400
Flexural Strength	23 °C	ASTM D-790	MPa	45
Flexural Modulus	23 °C	ASTM D-790	MPa	2100
FLAME RESISTANCE				
Thickness 3,0 mm	-	UL 94	-	HB
Thickness 1,5 mm	-	UL 94	-	HB