

DENIGREEN P 20G RC 2S 07 UV

PP post consumer recycled based injection moulding compound, 20% glass fiber reinforced, UV stabilized



DENIGREEN

PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,05
MVR (230°C/2,16 kg)	-	ISO-1133	cm ³ /10 min	15
Linear Mould Shrinkage	-	ASTM D-955	%	0,5
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,8
Water Adsorption	23°C-24h	ASTM D-570	%	0,02
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	110
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	130
Long Term Temperature	-	Internal Method	°C	110
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	9
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	35
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	50
Elongation at Break	23 °C	ISO-527/1-2	%	4
Tensile Modulus	23 °C	ISO-527/1-2	MPa	4000
Flexural Strength	23 °C	ASTM D-790	MPa	75
Flexural Modulus	23 °C	ASTM D-790	MPa	3300