

DENIGREEN B 30G RC 1S 05

PBT post industrial recycled based injection moulding compound, 30% glass fiber reinforced



DENIGREEN

PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,52
MVR (250°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	%	0,9
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	205
Long Term Temperature	-	Internal Method	°C	135
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	10
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	60
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	125
Elongation at Break	23 °C	ISO-527/1-2	%	2,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	10000
Flexural Strength	23 °C	ASTM D-790	MPa	195
Flexural Modulus	23 °C	ASTM D-790	MPa	9000

