

VAMPGREEN B 30G SF V0 28 02

PBT resin, partly from upcycling of PET, 30% glass fiber reinforced, flame retarded halogen free, for injection molding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,54
MVR (250°C/5 kg)	-	ISO-1133	cm ³ /10 min	20
Linear Mould Shrinkage	-	ASTM D-955	%	0,5
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,8
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	190
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	195
Long Term Temperature	-	Internal Method	°C	135
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	%	1,8
Tensile Modulus	23 °C	ISO-527/1-2	MPa	9500
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600

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FLAME RESISTANCE

Thickness 3,2 mm	-	UL 94	-	V0
Thickness 1,6 mm	-	UL 94	-	V0
Thickness 0,8 mm	-	UL 94	-	V0
GWFI (1 mm)	-	IEC 60695-2-12	°C / mm	960
GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	960