VAMPGREEN N 30G RC V0 28 1S 04

PA6 post industrial recycled based injection moulding compound, 30% glass fiber reinforced, flame retarded halogen free

PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm^3	1,44
Linear Mould Shrinkage	-	ASTM D-955	%	0,5
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,9
Water Adsorption	23°C-24h	ASTM D-570	%	1,2
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	205
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	200
Long Term Temperature	-	Internal Method	°C	140
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m^2	7
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m^2	40
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	110
Elongation at Break	23 °C	ISO-527/1-2	%	2
Tensile Modulus	23 °C	ISO-527/1-2	MPa	10000
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600

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FLAME RESISTANCE				
Thickness 3,0 mm	-	UL 94	-	V0, 5VA
Thickness 1,5 mm	-	UL 94	-	V0, 5VA
Thickness 0,75 mm	-	UL 94	-	V0
Thickness 0,4 mm	-	UL 94	-	V0
GWFI (1 mm)	-	IEC 60695-2-12	°C / mm	960
GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	960