VAMPAMID 6 3036 V2

PA6 resin, 30% glass fiber reinforced, flame retarded with halogens, antimony free, for injection moulding

PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm^3	1,54
Linear Mould Shrinkage	-	ASTM D-955	%	0,4
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,8
Water Adsorption	23°C-24h	ASTM D-570	%	1
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	120
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m^2	7,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m^2	45
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	130
Elongation at Break	23 °C	ISO-527/1-2	%	2
Tensile Modulus	23 °C	ISO-527/1-2	MPa	11000
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	350

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FLAME RESISTANCE				
Thickness 1,6 mm	-	UL 94	-	V2
Thickness 0,8 mm	-	UL 94	-	V2
GWFI (1 mm)	-	IEC 60695-2-12	°C / mm	850
GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	850
GWIT (1 mm)	-	IEC 60695-2-13	°C / mm	775
GWIT (2 mm)	-	IEC 60695-2-13	°C / mm	775