VAMPAMID 6 3028 V0

PA6 resin, 30% glass fiber reinforced, flame retarded halogen free for injection moulding

PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm^3	1,43
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	210
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	205
Relative Temperature Index ELEC	Electric	UL 746 B	°C	130
Relative Temperature Index IMP	Impact	UL 746 B	°C	105
Relative Temperature Index STR	Strength	UL 746 B	°C	120
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	55
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	130
Elongation at Break	23 °C	ISO-527/1-2	%	2,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	10500
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600

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FLAME RESISTANCE				
Thickness 3,0 mm	-	UL 94	-	V0, 5VA
Thickness 1,6 mm	-	UL 94	-	V0, 5VA
Thickness 1 mm	-	UL 94	-	V0, 5VA
Thickness 0,8 mm	-	UL 94	-	V0
Thickness 0,4 mm	-	UL 94	-	V0
Thickness 0,25 mm	-	UL 94	-	V0
GWFI (1 mm)	-	IEC 60695-2-12	°C / mm	960
GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	960