

VAMPAMID HT 3028 VO

PPA 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	1,44
Linear Mould Shrinkage	-	ASTM D-955	%	0,3
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,7
Water Adsorption	23°C-24h	ASTM D-570	%	0,4
THERMAL PROPERTIES				
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	270
Ball Pressure Test	-	IEC 60695-10-2	°C	>200
Relative Temperature Index ELEC	Electric	UL 746 B	°C	155
Relative Temperature Index IMP	Impact	UL 746 B	°C	125
Relative Temperature Index STR	Strength	UL 746 B	°C	130
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	50
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	160
Elongation at Break	23 °C	ISO-527/1-2	%	2
Tensile Modulus	23 °C	ISO-527/1-2	MPa	11500

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ELECTRICAL PROPERTIES

Comparative Tracking Index	-	IEC 60112	V	600
Dielectric strength	-	IEC 60243-1	Kv/mm	36
Surface Resistivity	-	ASTM D257	Ohm	$>10^{12}$

FLAME RESISTANCE

Thickness 3,0 mm	-	UL 94	-	V0
Thickness 2,0 mm	-	UL 94	-	V0
Thickness 1,0 mm	-	UL 94	-	V0
Thickness 0,75 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
GWIT (1 mm)	-	IEC 60695-2-13	°C / mm	775
GWIT (2 mm)	-	IEC 60695-2-13	°C / mm	775