VAMPAMID 6 0036 V2

PA6 resin unfilled, flame retarded with halogens, antimony free, for injection moulding

PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm^3	1,25
Linear Mould Shrinkage	-	ASTM D-955	%	1,4
Trasversal Mould Shrinkage	-	ASTM D-955	%	1,4
Water Adsorption	23°C-24h	ASTM D-570	%	1,5
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	195
Long Term Temperature	-	Internal Method	°C	120
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m^2	5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m^2	65
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	60
Elongation at Break	23 °C	ISO-527/1-2	%	10
Tensile Modulus	23 °C	ISO-527/1-2	MPa	3700
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	350

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FLAME RESISTANCE				
Thickness 3,2 mm	-	UL 94	-	V2
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