

VAMPLEN 0024 V2 LBC GW

PP resin unfilled, flame retarded halogen free for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,04
MVR (230°C/2,16 kg)	-	ISO-1133	cm ³ /10 min	15
Linear Mould Shrinkage	-	ASTM D-955	%	1,2
Trasversal Mould Shrinkage	-	ASTM D-955	%	1,2
Water Adsorption	23°C-24h	ASTM D-570	%	0,02
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	95
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	60
Ball Pressure Test	-	IEC 60695-10-2	°C	125
Relative Temperature Index ELEC	Electric	UL 746 B	°C	110
Relative Temperature Index IMP	Impact	UL 746 B	°C	110
Relative Temperature Index STR	Strength	UL 746 B	°C	110
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	2,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	20
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	20
Elongation at Break	23 °C	ISO-527/1-2	%	>50
Tensile Modulus	23 °C	ISO-527/1-2	MPa	2200

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ELECTRICAL PROPERTIES

Comparative Tracking Index	-	IEC 60112	V	600
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FLAME RESISTANCE

Thickness 3,0 mm	-	UL 94	-	V2
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Thickness 1,6 mm	-	UL 94	-	V2
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Thickness 0,75 mm	-	UL 94	-	V2
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GWFI (1 mm)	-	IEC 60695-2-12	°C / mm	850
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GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	850
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GWIT (1 mm)	-	IEC 60695-2-13	°C / mm	775
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GWIT (2 mm)	-	IEC 60695-2-13	°C / mm	775
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