

VAMPLEN 0053 O V2 NF

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



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	0,92
MVR (230°C/2,16 kg)	-	ISO-1133	cm ³ /10 min	20
Linear Mould Shrinkage	-	ASTM D-955	%	1,5
Trasversal Mould Shrinkage	-	ASTM D-955	%	1,5
Water Adsorption	23°C-24h	ASTM D-570	%	0,02
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	100
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	60
Long Term Temperature	-	Internal Method	°C	90
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	3,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	55
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	30
Elongation at Break	23 °C	ISO-527/1-2	%	>100
Tensile Modulus	23 °C	ISO-527/1-2	MPa	1500
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600

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FLAME RESISTANCE

Thickness 3,0 mm	-	UL 94	-	V2
Thickness 1,5 mm	-	UL 94	-	V2
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