

VAMPLEN HD 0024 VO E

PE resin unfilled, flame retarded halogen free for extrusion



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,14
MVR (230°C/2,16 kg)	-	ISO-1133	cm ³ /10 min	2
Water Adsorption	23°C-24h	ASTM D-570	%	0,02
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	125
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	90
Long Term Temperature	-	Internal Method	°C	75
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	60
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	15
Elongation at Break	23 °C	ISO-527/1-2	%	>20
Tensile Modulus	23 °C	ISO-527/1-2	MPa	1500
Flexural Strength	23 °C	ASTM D-790	MPa	30
Flexural Modulus	23 °C	ASTM D-790	MPa	1300
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600
Dielectric strength	-	IEC 60243-1	Kv/mm	>15
Surface Resistivity	-	ASTM D257	Ohm	>10 ¹²

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FLAME RESISTANCE

Thickness 3,2 mm	-	UL 94	-	V0
Thickness 1,6 mm	-	UL 94	-	V0
Oxygen Index (LOI)	-	ISO-4589-1/-2	%	34