

VAMPALLOY 0024 V0 12

PC/ABS blend unfilled, flame retarded bromine and chlorine free for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,22
MVR (260°C/2,16 kg)	-	ISO-1133	cm ³ /10 min	25
Linear Mould Shrinkage	-	ASTM D-955	%	0,6
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,6
Water Adsorption	23°C-24h	ASTM D-570	%	0,15
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	110
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	90
Long Term Temperature	-	Internal Method	°C	90
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	6
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	NB
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	2700
Flexural Strength	23 °C	ASTM D-790	MPa	110
Flexural Modulus	23 °C	ASTM D-790	MPa	2700
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	250

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FLAME RESISTANCE

Thickness 3,0 mm	-	UL 94	-	V0, 5VB
Thickness 2,0 mm	-	UL 94	-	V0, 5VB
Thickness 0,8 mm	-	UL 94	-	V0
GWFI (1 mm)	-	IEC 60695-2-12	°C / mm	960
GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	960