

VAMPLEN 3026 VO CB T DF

PP resin, 30% glass fiber reinforced, flame retarded with halogens, heat stabilized for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,46
MVR (230°C/2,16 kg)	-	ISO-1133	cm ³ /10 min	3
Linear Mould Shrinkage	-	ASTM D-955	%	0,3
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,7
Water Adsorption	23°C-24h	ASTM D-570	%	0,02
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	120
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	140
Ball Pressure Test	-	IEC 60695-10-2	°C	125
Long Term Temperature	-	Internal Method	°C	120
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	10
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	35
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	55
Elongation at Break	23 °C	ISO-527/1-2	%	2,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	7500
ELECTRICAL PROPERTIES				
Comparative Tracking Index	-	IEC 60112	V	600
Dielectric strength	-	IEC 60243-1	Kv/mm	>15

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FLAME RESISTANCE

Thickness 3,2 mm	-	UL 94	-	V0
Thickness 1,6 mm	-	UL 94	-	V0
Thickness 0,8 mm	-	UL 94	-	V0
GWFI (1 mm)	-	IEC 60695-2-12	°C / mm	850
GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	850