

# VAMPAMID 6 1026 VO DF

PA6 resin, 10% glass fiber reinforced, flame retarded with halogens for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>				
Density	-	ISO-1183	g/cm <sup>3</sup>	1,50
Linear Mould Shrinkage	-	ASTM D-955	%	0,8
Trasversal Mould Shrinkage	-	ASTM D-955	%	1
Water Adsorption	23°C-24h	ASTM D-570	%	1,2
<b>THERMAL PROPERTIES</b>				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	195
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	185
Long Term Temperature	-	Internal Method	°C	120
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	6,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	30
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	70
Elongation at Break	23 °C	ISO-527/1-2	%	2,2
Tensile Modulus	23 °C	ISO-527/1-2	MPa	5500
<b>ELECTRICAL PROPERTIES</b>				
Comparative Tracking Index	-	IEC 60112	V	350



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FLAME RESISTANCE				
Thickness 3,0 mm	-	UL 94	-	V0
Thickness 1,5 mm	-	UL 94	-	V0
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
GWIT (1 mm)	-	IEC 60695-2-13	°C / mm	775
GWIT (2 mm)	-	IEC 60695-2-13	°C / mm	775

