

# VAMPSAB 0023 VO H

ABS resin unfilled, flame retarded with halogens for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>				
Density	-	ISO-1183	g/cm <sup>3</sup>	1,17
MVR (220°C/10 kg)	-	ISO-1133	cm <sup>3</sup> /10 min	60
Linear Mould Shrinkage	-	ASTM D-955	%	0,6
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,7
<b>THERMAL PROPERTIES</b>				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	80
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	70
Long Term Temperature	-	Internal Method	°C	70
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	18
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	50
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	40
Elongation at Break	23 °C	ISO-527/1-2	%	>5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	2200
<b>ELECTRICAL PROPERTIES</b>				
Comparative Tracking Index	-	IEC 60112	V	400



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## FLAME RESISTANCE

Thickness 3,0 mm	-	UL 94	-	V0, 5VA
Thickness 2,0 mm	-	UL 94	-	V0, 5VB
Thickness 1,6 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

