

VAMPCARB 2058 V0

PC resin, 20% glass fiber reinforced, flame retarded halogen free, PFAS free for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,34
MVR (300°C/1,2 kg)	-	ISO-1133	cm ³ /10 min	20
Linear Mould Shrinkage	-	ASTM D-955	%	0,4
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
Water Adsorption	23°C-24h	ASTM D-570	%	0,15
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	140
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	130
Long Term Temperature	-	Internal Method	°C	120
MECHANICAL PROPERTIES				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m ²	8
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m ²	40
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	105
Elongation at Break	23 °C	ISO-527/1-2	%	2,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	6500

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FLAME RESISTANCE

Thickness 3,2 mm	-	UL 94	-	V0
Thickness 2,0 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