

VAMPSON L 4010

PPS resin, 30% glass fiber reinforced for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
PHYSICAL PROPERTIES				
Density	-	ISO-1183	g/cm ³	1,65
MVR (315°C/5 kg)	-	ISO-1133	cm ³ /10 min	50
Linear Mould Shrinkage	-	ASTM D-955	%	0,4
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,5
Water Adsorption	23°C-Sat	ISO-62	%	0,02
THERMAL PROPERTIES				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	255
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	260
Ball Pressure Test	-	IEC 60695-10-2	°C	≥170
Long Term Temperature	-	Internal Method	°C	200
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	30
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	140
Elongation at Break	23 °C	ISO-527/1-2	%	1,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	14500

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ELECTRICAL PROPERTIES

Comparative Tracking Index	-	IEC 60112	V	150
Dielectric strength	-	IEC 60243-1	Kv/mm	>15
Surface Resistivity	-	ASTM D257	Ohm	>10 ¹²

FLAME RESISTANCE

Thickness 3,2 mm	-	UL 94	-	V0
Thickness 1,6 mm	-	UL 94	-	V0
GWFI (2 mm)	-	IEC 60695-2-12	°C / mm	960
GWIT (2 mm)	-	IEC 60695-2-13	°C / mm	775