

# VAMPSON L 6031

PPS resin 60% mixed glass and mineral filled for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>				
Density	-	ISO-1183	g/cm <sup>3</sup>	1,87
Linear Mould Shrinkage	-	ASTM D-955	%	0,5
Trasversal Mould Shrinkage	-	ASTM D-955	%	0,6
Water Adsorption	23°C-Sat	ISO-62	%	0,02
<b>THERMAL PROPERTIES</b>				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	250
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	250
Long Term Temperature	-	Internal Method	°C	200
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	2,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	10
Flexural Strength	23 °C	ASTM D-790	MPa	95
Flexural Modulus	23 °C	ASTM D-790	MPa	16000
<b>ELECTRICAL PROPERTIES</b>				
Comparative Tracking Index	-	IEC 60112	V	175
<b>FLAME RESISTANCE</b>				
Thickness 3,2 mm	-	UL 94	-	V0
Thickness 1,6 mm	-	UL 94	-	V0