

# VAMPORAN 1028 V1

PPOm resin, 10% glass fiber reinforced, flame retarded  
halogen free for injection moulding



PROPERTY	CONDITIONS	NORMS	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>				
Density	-	ISO-1183	g/cm <sup>3</sup>	1,23
MVR (280°C/5 kg)	-	ISO-1133	cm <sup>3</sup> /10 min	20
Linear Mould Shrinkage	-	ASTM D-955	%	0,3
Water Adsorption	23°C-24h	ASTM D-570	%	0,22
<b>THERMAL PROPERTIES</b>				
Vicat Softening Point	VICAT B (50 N)	ASTM D-1525	°C	110
Heat Distortion Temperature	HDT A (1,80 MPa)	ASTM D-648	°C	100
Long Term Temperature	-	Internal Method	°C	100
<b>MECHANICAL PROPERTIES</b>				
Impact Strength Izod Notched	23 °C	ISO-180/A	kJ/m <sup>2</sup>	5,5
Impact Strength Izod Unnotched	23 °C	ISO-180/U	kJ/m <sup>2</sup>	20
Tensile Strength at Break	23 °C	ISO-527/1-2	MPa	60
Elongation at Break	23 °C	ISO-527/1-2	%	2,5
Tensile Modulus	23 °C	ISO-527/1-2	MPa	5000
<b>FLAME RESISTANCE</b>				
Thickness 3,2 mm	-	UL 94	-	V1
Thickness 1,5 mm	-	UL 94	-	V1

