

Polymer PPE+PS

Application Injection moulding

Properties	Method	Unit	Value
<b>Physical</b>			
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,15
Mould Shrinkage(%)		%	0,5-0,7
Melt Flow Rate (280°C- 5,00 Kg)	ISO 1133	g/10'	13,5
<b>Thermal</b>			
Vicat B50	ISO 306	°C	150
HDT, A (1.80 MPa)	ISO 75/Af	°C	125
Relative Temp Index, Elec		°C	110
Relative Temp Index, Mech w/impact		°C	105
Relative Temp Index, Mech w/o impact		°C	110
<b>Mechanical at 23°C</b>			
Flexural Modulus (23°C- 2 mm/min)	ISO 178	Mpa	2680
Flexural Strength (23°C- 2 mm/min)	ISO 178	Mpa	115
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	Mpa	77
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	4.5
Izod notched impact strength (23°C) ISO	ISO 180/1A	Kj/m <sup>2</sup>	8
Charpy unnotched impact strength (23°C)	ISO 179/1eU	Kj/m <sup>2</sup>	9
<b>Flammability</b>			
Glow Wire Flammability Index GWFI (3,0 mm)	IEC 606925-2-12	°C	960
GlowWire Ignition Temperature GWIT (1,0 mm)	IEC 606925-2-13	°C	825
GlowWire Ignition Temperature GWIT (2,0 mm)	IEC 606925-2-13	°C	800
Flammability class (0,75 mm)	UL94		V0

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