

Polymer ABS

Application Injection moulding

Properties	Method	Unit	Value
<b>Physical</b>			
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,20
Mould Shrinkage (%)		%	0,5
Melt Flow Rate (220°C- 10,00 Kg)	ISO 1133	g/10'	50
<b>Thermal</b>			
Vicat B50	ISO 306	°C	85
HDT, A (1.80 MPa)	ISO 75/Af	°C	65
HDT, B (0.45 MPa)	ISO 75/Af	°C	75
Relative Temp Index, Elec		°C	60
Relative Temp Index, Mech w/impact		°C	60
Relative Temp Index, Mech w/o impact		°C	60
<b>Mechanical at 23°C</b>			
Flexural Modulus (23°C- 2 mm/min)	ISO 178	Mpa	2400
Flexural Strength (23°C- 2 mm/min)	ISO 178	Mpa	70
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	Mpa	40
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	10
Izod notched impact strength (23°C) ISO	ISO 180/1A	Kj/m <sup>2</sup>	12
Charpy unnotched impact strength (23°C)	ISO 179/1eU	Kj/m <sup>2</sup>	90
<b>Flammability</b>			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 606925-2-12	°C	960
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 606925-2-12	°C	960
GlowWire Ignition Temperature GWIT (1,0 mm)	IEC 606925-2-13	°C	750
GlowWire Ignition Temperature GWIT (2,0 mm)	IEC 606925-2-13	°C	750
Flammability class (1,7 mm)	UL94		V0
Flammability class (1,0 mm)	UL94		V1

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