

Polymer PC

Application Injection moulding

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,2
Mould Shrinkage(%)		%	0,6
Melt Flow Rate (300°C- 1,20 Kg)	ISO 1133	g/10'	20
Thermal			
Vicat B50	ISO 306	°C	140
HDT, A (1.80 MPa)	ISO 75/Af	°C	125
HDT, B (0.45 MPa)	ISO 75/Af	°C	135
Relative Temp Index, Elec		°C	125
Relative Temp Index, Mech w/impact		°C	115
Relative Temp Index, Mech w/o impact		°C	125
Mechanical at 23°C			
Flexural Modulus (23°C- 2 mm/min)	ISO 178	Mpa	2350
Flexural Strength (23°C- 2 mm/min)	ISO 178	Mpa	100
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	Mpa	65
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	>50
Izod notched impact strength (23°C) ISO	ISO 180/1A	Kj/m ²	65
Flammability			
Glow Wire Flammability Index GWFI (0,75 mm)	IEC 606925-2-12	°C	850
Glow Wire Flammability Index GWFI (1,5 mm)	IEC 606925-2-12	°C	875
GlowWire Ignition Temperature GWIT (0,75 mm)	IEC 606925-2-13	°C	875
GlowWire Ignition Temperature GWIT (1,5 mm)	IEC 606925-2-13	°C	875
Flammability class (0,75 mm)	UL94		V2

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