

Polymer PC

Application Injection moulding

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,2
Mould Shrinkage(%)		%	0,5-0,7
Melt Volume Rate (300°C - 1,20 Kg)	ISO 1133	cm ³ /10'	12
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	130
Relative Temp Index, Mech w/impact		°C	125
Relative Temp Index, Mech w/o impact		°C	125
Mechanical at 23°C			
Flexural Modulus	ISO 178	Mpa	2300
Flexural Strength	ISO 178	Mpa	90
Tensile stress at yield	ISO 527	Mpa	63
Tensile elong. at break	ISO 527	%	110
Izod notched impact strength	ISO 180/1A	KJ/m ²	70
Charpy impact notched	ISO 179/2C	KJ/m ²	35
Flammability			
Flammability class	UL94		V2

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