

Polymer PA6

Application Injection moulding

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,14
Mould Shrinkage(%)		%	1,0 – 1,15
Thermal			
Vicat B50	ISO 306	°C	200
HDT, A (1.80 MPa)	ISO 75/Af	°C	55
HDT, B (0.45 MPa)	ISO 75/Af	°C	160
Relative Temp Index, Elec (0,4 mm)		°C	65
Relative Temp Index, Mech w/impact (0,4 mm)		°C	65
Relative Temp Index, Mech w/o impact (0,4 mm)		°C	65
Mechanical at 23°C			
Flexural Modulus	ISO 178	Mpa	2900
Flexural Strength	ISO 178	Mpa	110
Tensile stress at yield	ISO 527	Mpa	80
Tensile elong. at break	ISO 527	%	20
Izod notched impact strength	ISO 180/1A	Kj/m ²	< 10
Charpy notched impact strength	ISO 179/1eU	Kj/m ²	< 10
Flammability			
Glow Wire Flammability Index GWFI (2 mm)	IEC 606925-2-12	°C	750
Flammability class (0,4 mm)	UL94		V2

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