

Polymer PA66

Application Injection moulding

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,4
Mould Shrinkage(%)	INTERNAL	%	0,9 – 1,2
Thermal			
Vicat B50	ISO 306	°C	230
HDT, A (1.80 MPa)	ISO 75/Af	°C	90
HDT, B (0.45 MPa)	ISO 75/Af	°C	205
Relative Temp Index, Elec (0,8 mm)		°C	65
Relative Temp Index, Mech w/impact (0,8 mm)		°C	65
Relative Temp Index, Mech w/o impact (0,8 mm)		°C	65
Mechanical at 23°C			
Flexural Modulus (2 mm/min)	ISO 178	Mpa	3000
Flexural Strength (2 mm/min)	ISO 178	Mpa	100
Tensile stress at yield (50 mm/min)	ISO 527	Mpa	75
Tensile elong. at break (50 mm/min)	ISO 527	%	15
Izod notched impact strength	ISO 180/1A	Kj/m ²	5
Charpy unnotched impact strength	ISO 179/1eU	Kj/m ²	120
Flammability			
Glow Wire Flammability Index GWFI (1 - 3 mm)	IEC 606925-2-12	°C	960
GlowWire Ignition Temperature GWIT (1 - 3 mm)	IEC 606925-2-13	°C	850
Flammability class (0,8 mm)	UL94		V0

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