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enclosures for electronics
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Polymer	PC/ABS
Application	Injection moulding

Properties	*Method*	*Unit*	*Value*
Physical			
Density at 23°C	ISO 1183	g/cm3	1,2
Mould Shrinkage(%)		%	0,4-0,7
Melt Flow Rate (260°C- 5,00 Kg)	ISO 1133	g/10’	+/- 15
Thermal			
Vicat B50	ISO 306	°C	105-115
HDT, A (1.80 MPa)	ISO 75/Af	°C	100-110
HDT, B (0.45 MPa)	ISO 75/Af	°C	100-110
Ball Pressure Test	IEC 60695-10-2	°C	125
Relative Temp Index, Elec		°C	90
Relative Temp Index, Mech w/impact		°C	90
Relative Temp Index, Mech w/o impact		°C	90
Mechanical at 23°C			
Flexural Modulus (23°C- 2 mm/min)	ISO 178	Mpa	2500
Flexural Strength (23°C- 2 mm/min)	ISO 178	Mpa	95-100
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/m2	45
Charpy unnotched impact strength (23°C)	ISO 179/1eU	Kj/m2	NB
Flammability			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	960
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 60695-2-12	°C	960
GlowWire Ignition Temperature GWIT (1,0 mm)	IEC 60695-2-13	°C	780-800
GlowWire Ignition Temperature GWIT (2,0 mm)	IEC 60695-2-13	°C	780-800
Flammability class (0,75 mm)	UL94		V0

Disclaimer
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