

Polymer ABS  
Application Injection moulding

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm3	1,20
Mould Shrinkage (%)		%	0,5
Melt Flow Rate (220°C- 10,00 Kg)	ISO 1133	g/10'	50
Thermal			
Vicat B50	ISO 306	°C	85
HDT, A (1.80 MPa)	ISO 75/Af	°C	65
HDT, B (0.45 MPa)	ISO 75/Af	°C	75
Relative Temp Index, Elec		°C	60
Relative Temp Index, Mech w/impact		°C	60
Relative Temp Index, Mech w/o impact		°C	60
Mechanical at 23°C			
Flexural Modulus (23°C- 2 mm/min)	ISO 178	Mpa	2400
Flexural Strength (23°C- 2 mm/min)	ISO 178	Mpa	70
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	Mpa	40
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	10
Izod notched impact strength (23°C) ISO	ISO 180/1A	Kj/m2	12
Charpy unnotched impact strength (23°C)	ISO 179/1eU	Kj/m2	90
Flammability			
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 606925-2-12	°C	960
Glow Wire Flammability Index GWFI (2,0 mm)	IEC 606925-2-12	°C	960
GlowWire Ignition Temperature GWIT (1,0 mm)	IEC 606925-2-13	°C	750
GlowWire Ignition Temperature GWIT (2,0 mm)	IEC 606925-2-13	°C	750
Flammability class (1,7 mm)	UL94		V0
Flammability class (1,0 mm)	UL94		V1

## Disclaimer

The value above is the representative value of the NP standard and may have deviation. It can only be used for selecting materials and shall not be regarded as a material specification and cannot be used for moulding designs. Information inserted in this document such as data, statements, representative values, etc. are provided solely for customer convenience. It does not expressly or impliedly guarantee anything regarding the safety or practicability of the (7) materials, (2) products, and/or (3) design that utilizes recommendations or proposals. Furthermore, nothing in the contents of this document shall have any legally binding effect, and especially, the representative value is simply for reference and is not a minimum value that has legally binding effect.

Users must implement and verify all testing and analyses for proving the safety and compatibility of final products. The data and values inserted and/or contained in this document may be changed due to quality improvement of the product without any prior notification. This document is in no way contracted or obligated with the customer.