

Product Texts

PBT standard type with medium viscosity with 20% glass beads filled impact modified.
 For all kind of injection molding parts with increased dimensional stability and tendency to warpage.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2700	MPa	ISO 527
Tensile Strength	43	MPa	ISO 527
Yield strain	2.3	%	ISO 527
Stress at break	41	MPa	ISO 527
Strain at break	12	%	ISO 527
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	65	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	155	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1380	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 6	h	-
Processing humidity	≤0.03	%	-
Mold temperature	60 - 100	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	250 - 265	°C	-
Nozzle temperature	265 - 280	°C	-

Characteristics

Processing
 Injection Molding

Features
 Low Warpage

Special Characteristics
 High impact or impact modified

Regional Availability
 Europe