

**Product Texts**

PBT, 15 % glass fibres, injection moulding, flame retardant, impact modified

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	20	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1	%	ISO 294-4, 2577

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	6100	MPa	ISO 527
Stress at break	95	MPa	ISO 527
Strain at break	3	%	ISO 527
Charpy impact strength, +23°C	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 179/1eA

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	172	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	210	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	250	-	IEC 60112

**Other properties**

	Value	Unit	Test Standard
Water absorption	0.4	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1550	kg/m <sup>3</sup>	ISO 1183

**Test specimen production**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Injection Molding, melt temperature	250	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Plasticizer

**Special Characteristics**

Flame retardant

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

**Other text information****Injection Molding**

PREPROCESSING

Max. Water content: 0.04 %

Drying temperature: 120 °C

Drying time:

Circulating air drying oven (50 % fresh air) 4-8 h

Fresh air dryer (high speed dryer) 2-3 h

Dry air dryer 2-3 h

PROCESSING

Melt temperature: 240 - 260 °C

Mold temperature: 80 - 100 °C