SLOVASTER® B FRN 3

Polybutylene Terephthalate

Plastcom

Message:

PBT basic type for injection moulding. Melt is characterised by outstanding fludity, which enables injection moulding of complicated and divided products also on multiple moulds. Anisotropy of shrinkage enables injection moulding of round, cylindric or other hole products. Delivered in natural mode and in the full RAL colour scale.

General Information			
Features	Good Flow		
Appearance	Colors Available Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PBT		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.31	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	40	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	1.9	%	
Flow	1.8	%	
Water Content	0.050	%	ISO 960
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Yield)	55.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	1.6	kJ/m²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
-20°C	130	kJ/m²	
23°C	130	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	55.0	°C	ISO 75-2/B
Vicat Softening Temperature	200	°C	ISO 306/B
Melting Temperature (DSC)	200 to 220	°C	ISO 3146
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+15	ohms	IEC 60093

Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength	23	kV/mm	IEC 60243-1
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	850	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	50.0 to 80.0	°C	
Injection Pressure	60.0 to 100	MPa	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China