

KumhoSunny PBT HEB4010

Polybutylene Terephthalate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HEB4010 is a free painting PBT resin, offering high gloss and outstanding appearance, very low haze and excellent processing properties.HEB4010 is recommended for headlight lamp,such as bezel,etc.

General Information			
Features	Good Processability		
	Good Processing Stability		
	High Gloss		
Uses	Consumer Applications		
	Lighting Applications		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.31	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	38	g/10 min	ISO 1133
Molding Shrinkage (23°C)	1.8 to 2.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	57.0	MPa	ISO 527-2/50
Flexural Modulus ¹	2600	MPa	ISO 178
Flexural Stress ²	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	4.0	kJ/m²	
23°C	5.0	kJ/m²	
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Notched Izod Impact Strength (23°C)	5.0	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (0.45 MPa, Unannealed)	190	°C	ISO 75-2/B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093

Injection	Nominal Value	Unit
Drying Temperature	100 to 120	°C
Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	220 to 230	°C
Middle Temperature	230 to 250	°C
Front Temperature	230 to 250	°C
Nozzle Temperature	240 to 260	°C
Processing (Melt) Temp	230 to 250	°C
Mold Temperature	60.0 to 80.0	°C
Back Pressure	0.200 to 0.800	MPa
Screw Speed	20 to 100	rpm
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	
3.	120°C/h	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

