

Ultradur® B 4520 PRO

Polybutylene Terephthalate

BASF Corporation

Message:

Ultradur B 4520 PRO is an unfilled injection molding PBT grade.

General Information			
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	25.0	cm ³ /10min	ISO 1133
Viscosity Number (Reduced Viscosity)	120.0	ml/g	ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	11	%	ISO 527-2
Nominal Tensile Strain at Break (23°C)	30	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
-30°C	140	kJ/m ²	
23°C	230	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/A
Melting Temperature (DSC)	223	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.040	%	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	40.0 to 80.0	°C	
Injection Pressure	3.45 to 10.3	MPa	
Injection Rate	Fast		
Back Pressure	< 1.00	MPa	

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



WECHAT