

Ultradur® B 4520 High Speed

BASF Corporation - Polybutylene Terephthalate

Monday, November 4, 2019

General Information

Product Description

Ultradur B 4520 High Speed is an unfilled, easy flowing, injection molding PBT grade.

Applications

Ultradur B 4520 High Speed is designed for connectors and other technical parts.

General	
Material Status	Commercial: Active
Availability	Europe North America
Features	Good Flow
Uses	Connectors
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	RoHS Compliant
Forms	• Pellets
Processing Method	Injection Molding

ASTM & ISO Properties 1				
minal Value	Unit	Test Method		
1.30	g/cm³	ISO 1183		
50	cm³/10min	ISO 1133		
		ISO 294-4		
1.9	%			
1.8	%			
0.50	%	ISO 62		
0.25	%	ISO 62		
115.0	ml/g	ISO 1628		
minal Value	Unit	Test Method		
319000	psi	ISO 527-2		
7250	psi	ISO 527-2		
3.5	%	ISO 527-2		
> 50	%	ISO 527-2		
minal Value	Unit	Test Method		
1.9	ft·lb/in²	ISO 179		
90	ft·lb/in²	ISO 179		
minal Value	Unit	Test Method		
266	°F	ISO 75-2/B		
131	°F	ISO 75-2/A		
433	°F	ISO 3146		
		131 °F 433 °F		

Injection	Nominal Value Unit
Drying Temperature	212 to 248 °F
Drying Time	4.0 hr
Suggested Max Moisture	0.040 %

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Injection	Nominal Value Unit
Processing (Melt) Temp	482 to 518 °F
Mold Temperature	104 to 176 °F
Injection Pressure	508 to 1810 psi
Injection Rate	Fast
Back Pressure	< 145 psi

Notes

¹ Typical properties: these are not to be construed as specifications.