

Ultradur® B 4300 G6 HR Unc.

Polybutylene Terephthalate

BASF Corporation

Message:

Ultradur B 4300 G6 HR Unc. is a hydrolysis resistant, 30% fiberglass reinforced PBT, exhibiting good balance of properties and flow.

Applications

Ultradur B 4300 G6 HR Unc. was developed for automotive connectors designed to meet USCAR Class III requirements.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Flow		
	Hydrolysis Resistant		
Uses	Automotive Applications		
	Connectors		
Agency Ratings	EC 1907/2006 (REACH)		
	USCAR III		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Viscosity Number (Reduced Viscosity)	105.0	ml/g	ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	129	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.7	%	ISO 527-2
Flexural Modulus (23°C)	7800	MPa	ISO 178
Flexural Stress (23°C)	199	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	78	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	223	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	525	V	IEC 60112
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 275	°C
Mold Temperature	40.0 to 70.0	°C
Injection Pressure	3.50 to 12.5	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

