

Durepol® PBT A3 G10 PRTA011 BT319

Polybutylene Terephthalate

Petropol Industry and Trade of Polymers LTDA

Message:

Polyester PBT reinforced with 10% fiberglass, excellent mechanical and thermal properties.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Resin ID (ISO 1043)	>PBT GF10<		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm³	ISO 1183
Molding Shrinkage	0.30 to 0.90	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4550	MPa	ISO 527-2
Tensile Stress (Break)	91.0	MPa	ISO 527-2
Tensile Strain (Break)	4.5	%	ISO 527-2
Flexural Stress	142	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	36	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	215	°C	ISO 75-2/Bf
Vicat Softening Temperature	214	°C	ISO 306
Melting Temperature	225	°C	ISO 11359-1
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength (2.00 mm)	17	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	6.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	240 to 260	°C	
Mold Temperature	70.0 to 80.0	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHEG 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.

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

