

Durepol® PBT A3 G10 NTLA010 BT309 MSP

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
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.70 to 1.2	%	ASTM D955
Water Absorption (Equilibrium)	0.30	%	ASTM D570
Ash Content	7.0 to 13	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	4.8	%	ASTM D638
Tensile Creep Modulus			ISO 899-1
1 hr	4000	MPa	
1000 hr	2500	MPa	
Flexural Strength	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.5	kJ/m ²	ASTM D256
Notched Izod Impact (Area)	6.50	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	215	°C	ASTM D648
Vicat Softening Temperature	215	°C	ASTM D1525
Melting Temperature	225	°C	ASTM D2117
Electrical	Nominal Value		Test Method
Dissipation Factor			IEC 60250
1.00 mm, 50 Hz	2.0E-3		
1.00 mm, 100 Hz	2.0E-3		
1.00 mm, 1 MHz	0.020		
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	6.0	hr	
Suggested Max Moisture	0.020	%	

Processing (Melt) Temp	240 to 260	°C
Mold Temperature	80.0	°C

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

