

Durepol® PBT A3 G30 ST MRM0035 BT306

Polybutylene Terephthalate

Petropol Industry and Trade of Polymers LTDA

Message:

Polyester PBT reinforced with 30% glass fiber, super tough, excellent properties suitable for injection molding.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Toughness		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PBT GF30<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.90	%	ASTM D955
Water Absorption (Equilibrium)	0.15	%	ASTM D570
Ash Content	28 to 32	%	ASTM D2584
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	115	MPa	ASTM D638
Tensile Elongation (Break)	4.1	%	ASTM D638
Tensile Creep Modulus			ISO 899-1
1 hr	6200	MPa	
1000 hr	4000	MPa	
Flexural Strength	175	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	14	kJ/m ²	ASTM D256
Notched Izod Impact (Area)	12.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	205	°C	ASTM D1525
Melting Temperature	216	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Dissipation Factor			IEC 60250
1.00 mm, 100 Hz	9.5E-3		
1.00 mm, 1 MHz	0.022		
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Glow Wire Ignition Temperature	750	°C	IEC 60695-2-13
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

