

Durepol® PBT A3 TZ NTLA010 BT311

Polybutylene Terephthalate

Petropol Industry and Trade of Polymers LTDA

Message:

PBT polyester modified impact (Tough), excellent mechanical and thermal properties. Ideal for injection molding.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PBT<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	43.0	MPa	ASTM D638
Tensile Elongation (Break)	68	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	60.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	50.0	°C	ASTM D648
Peak Melting Temperature	215 to 230	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (3.20 mm)	15	kV/mm	ASTM D149
Dissipation Factor (1 kHz)	0.021		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	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 250	°C	
Mold Temperature	80.0 to 100	°C	

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