

Durepol® PBT A3 FR NTLA010 BT329

Polybutylene Terephthalate

Petropol Industry and Trade of Polymers LTDA

Message:

PBT polyester with with flame retardant. Ideal for injection molding.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PBT<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm³	ASTM D792
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	20.0	cm³/10min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2900	MPa	ASTM D638
Tensile Strength (Break, 23°C)	60.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	150	%	ASTM D638
Flexural Modulus (23°C)	2400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	160	°C	
1.8 MPa, Unannealed	70.0	°C	
Melting Temperature ¹	224	°C	ASTM D2117
Flammability	Nominal Value	Test Method	
Flame Rating	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	6.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	80.0 to 100	°C	
NOTE			
1.	10°C/min		

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