

Durepol® PBT A3 HL PRTA011 BT315

Polybutylene Terephthalate
Petropol Industry and Trade of Polymers LTDA

Message:
PBT polyester black high viscosity, lubricated. Ideal for injection molding.

General Information			
Additive	Lubricant		
Features	High Viscosity		
	Lubricated		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PBT<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/1.2 kg)	8.0 to 13	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 1.7	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648
Peak Melting Temperature	225	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	15	kV/mm	ASTM D149
Dissipation Factor (1 kHz)	2.0E-3		ASTM D150
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	

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