ALCOM® PBT 700/12 PTFE10

Polybutylene Terephthalate

ALBIS PLASTIC GmbH

Message:

ALCOM® PBT 700/12 PTFE10 is a Polybutylene Terephthalate (PBT) product. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PBT 700/12 PTFE10 include automotive and engineering/industrial parts.
Characteristics include:
REACH Compliant
RoHS Compliant
Heat Stabilizer
Lubricated
Wear Resistant

General Information			
Additive	Heat Stabilizer PTFE Lubricant (10%)		
Features	Good Flow Good Wear Resistance Heat Stabilized		
Uses	Automotive Applications Machine/Mechanical Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.38	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	20.0	cm³/10min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress	50.0	MPa	ISO 527-2
Tensile Strain (Break)	8.0	%	ISO 527-2
Flexural Modulus	2470	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
--	3.0	kJ/m²	
-40°C	4.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	52	kJ/m²	
-40°C	55	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	182	°C	ISO 306/B50

Injection	Nominal Value	Unit
Drying Temperature		
Circulation Dryer	100 to 120	°C
Desiccant Dryer	100 to 120	°C
Drying Time		
Circulation Dryer	4.0 to 8.0	hr
Desiccant Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	250 to 270	°C
Mold Temperature	60.0 to 100	°C

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Recommended distributors for this material

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