

ALCOM® PBT 700/8 GF15 PTFE15

Polybutylene Terephthalate

ALBIS PLASTIC GmbH

Message:

ALCOM®PBT 700/8 GF15 PTFE15 is a polybutene terephthalate (PBT) product, which contains a filler of 15% glass fiber reinforcement. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALCOM®The application fields of PBT 700/8 GF15 PTFE15 include engineering/industrial accessories and automobile industry.

Features include:

Comply with REACH standard

ROHS certification

High stiffness

Wear-resistant

heat stabilizer

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Additive	PTFE lubricant (15%) heat stabilizer		
Features	Rigidity, high Good wear resistance Hydrolysis resistance Thermal Stability Lubrication		
Uses	Wheels Gear Machine/mechanical parts Application in Automobile Field Bearing		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6200	MPa	ISO 527-2
Tensile Stress (Break)	100	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	5400	MPa	ISO 178
Flexural Stress	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
Vicat Softening Temperature	200	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	100 - 120	°C	
Hot air dryer	100 - 120	°C	
Drying Time			
Dehumidification desiccant	4.0 - 8.0	hr	
Hot air dryer	2.0 - 4.0	hr	
Processing (Melt) Temp	250 - 275	°C	
Mold Temperature	80 - 120	°C	

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Recommended distributors for this material

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