

ALCOM® PBT 700/1.5 HR GF15 PTFE15

Polybutylene Terephthalate

ALBIS PLASTIC GmbH

Message:

ALCOM® PBT 700/1.5 HR GF15 PTFE15 is a Polybutylene Terephthalate (PBT) product filled with 15% glass fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PBT 700/1.5 HR GF15 PTFE15 include engineering/industrial parts and automotive.

Characteristics include:

REACH Compliant

RoHS Compliant

Heat Stabilizer

High Stiffness

Lubricated

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Additive	Heat Stabilizer		
	PTFE Lubricant (15%)		
Features	Good Wear Resistance		
	Heat Stabilized		
	High Stiffness		
	Hydrolysis Resistant		
Uses	Automotive Applications		
	Bearings		
	Gears		
	Machine/Mechanical Parts		
	Wheels		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5450	MPa	ISO 527-2
Tensile Stress (Break)	80.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	4800	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	55	kJ/m ²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	190	°C	ISO 75-2/A
Vicat Softening Temperature	200	°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	80.0 to 120	°C	

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