

ALCOM® PBT 700/1 PTFE20

Polybutylene Terephthalate

ALBIS PLASTIC GmbH

Message:

ALCOM® PBT 700/1 PTFE20 is a Polybutylene Terephthalate (PBT) product. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PBT 700/1 PTFE20 include automotive and engineering/industrial parts.

Characteristics include:

REACH Compliant

RoHS Compliant

Heat Stabilizer

Lubricated

Wear Resistant

General Information			
Additive	Heat Stabilizer		
	PTFE Lubricant (20%)		
Features	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	1.43	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	37.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2350	MPa	ISO 527-2
Tensile Stress (Break)	44.0	MPa	ISO 527-2
Tensile Strain (Break)	4.6	%	ISO 527-2
Flexural Modulus	2450	MPa	ISO 178
Flexural Stress	76.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	34	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	72.0	°C	ISO 75-2/A
Vicat Softening Temperature	183	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

