

ALCOM® POM 770/1 GF20 PTFE15

Acetal (POM) Copolymer

ALBIS PLASTIC GmbH

Message:

ALCOM® POM 770/1 GF20 PTFE15 is an Acetal (POM) Copolymer product filled with 20% glass fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® POM 770/1 GF20 PTFE15 include engineering/industrial parts and automotive.

Characteristics include:

REACH Compliant

RoHS Compliant

Copolymer

Heat Stabilizer

Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Heat Stabilizer		
	PTFE Lubricant (15%)		
Features	Copolymer		
	Good Wear Resistance		
	Heat Stabilized		
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	1.63	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	3.00	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3400	MPa	ISO 527-2
Tensile Stress	35.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Flexural Modulus	3700	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	35	kJ/m²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	120	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	100 to 110	°C	
Desiccant Dryer	100 to 110	°C	
Drying Time			
Circulation Dryer	3.0 to 5.0	hr	
Desiccant Dryer	2.0 to 3.0	hr	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	60.0 to 120	°C	

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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

