

ALCOM® POM 770/1 SLDS

Acetal (POM) Copolymer

ALBIS PLASTIC GmbH

Message:

ALCOM®POM 770/1 SLDS is a polyoxymethylene (POM) copolymer product that contains fillers. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. ALCOM®The application fields of POM 770/1 SLDS include engineering/industrial parts and automobile industry.

Features include:

Comply with REACH standard

ROHS certification

Copolymer

Wear-resistant

heat stabilizer

General Information			
Filler / Reinforcement	Filler		
Additive	heat stabilizer		
Features	Copolymer		
	Good wear resistance		
	Thermal Stability		
Uses	Machine/mechanical parts		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress	60.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	6.0	kJ/m ²	ISO 179/1eA
-40°C	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	85	kJ/m ²	ISO 179/1eU

-40°C	50	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	100 - 110	°C	
Hot air dryer	100 - 110	°C	
Drying Time			
Dehumidification desiccant	3.0 - 5.0	hr	
Hot air dryer	2.0 - 3.0	hr	
Processing (Melt) Temp	180 - 220	°C	
Mold Temperature	60 - 120	°C	

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