

ALCOM® POM 770/1 Si2

Acetal (POM) Copolymer

ALBIS PLASTIC GmbH

Message:

ALCOM® POM 770/1 Si2 is an Acetal (POM) Copolymer product. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® POM 770/1 Si2 include engineering/industrial parts and automotive.

Characteristics include:

REACH Compliant

RoHS Compliant

Copolymer

Heat Stabilizer

Lubricated

General Information			
Additive	Heat Stabilizer		
	Silicone Lubricant (2%)		
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	1.39	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	124	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2650	MPa	ISO 527-2
Tensile Stress (Break)	55.0	MPa	ISO 527-2
Tensile Strain (Break)	44	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	78.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength	90	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	96.0	°C	ISO 75-2/A
Vicat Softening Temperature	146	°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	180 to 220	°C	
Mold Temperature	60.0 to 120	°C	

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