

ALCOM® POM 770/1 AR10 PTFE10

Acetal (POM) Copolymer

ALBIS PLASTIC GmbH

Message:

ALCOM® POM 770/1 AR10 PTFE10 is an Acetal (POM) Copolymer product. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® POM 770/1 AR10 PTFE10 include engineering/industrial parts and automotive.

Characteristics include:

REACH Compliant

RoHS Compliant

Copolymer

Lubricated

Wear Resistant

General Information			
Additive	PTFE + Aramid Resin Lubricant (20%)		
Features	Copolymer		
	Good Wear Resistance		
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	1.44	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	4.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress	75.0	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	35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	108	°C	ISO 75-2/A
Vicat Softening Temperature	147	°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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