

ALCOM® POM 770/1 SLDS

Technical DataSheet | Supplied by MOCOM Compounds

ALCOM® POM 770/1 SLDS is a polyoxymethylene (POM) copolymer reinforced with special filler. Exhibits improved sliding & wear properties and heat ageing stabilization. Can be processed using injection molding. Recommended for various automotive and machinery applications.

Product Type	POM (Polyacetal, Polyoxymethylene) > POM Copolymer
Product Status	COMMERCIAL
Applications/ Recommended for	Automotive Engineering / manufacturing Injection molding - thermoplastics
Key Features	Filled Sliding Heat Aging Resistance, Good

ALCOM® POM 770/1 SLDS Properties

Mechanical	Value & Unit	Test Condition	Test Method
Flexural Modulus	2600 MPa		ISO 178
Flexural Strength	70 MPa		ISO 178
Tensile Modulus	2800 MPa		ISO 527-1/-2
Impact Strength, Notched Charpy	6 kJ/m ²		ISO 179/1eA
Impact Strength, Unnotched Charpy	85 kJ/m ²		ISO 179/1eU
Tensile Strength at Break	60 MPa		ISO 527-1/-2
Impact Strength, Notched Charpy	3 kJ/m ²	-40°C	ISO 179/1eA

Impact Strength, Unnotched Charpy	50 kJ/m ²	-40°C	ISO 179/1eU
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Elongation at Break	30 %		ISO 527-1/-2
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Thermal	Value & Unit	Test Condition	Test Method
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Deflection Temperature at 1.8 MPa (264 psi)	90 °C		ISO 75-1/-2
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Vicat Softening Temperature	150 °C	B (50N)	ISO 306 2
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Physical	Value & Unit	Test Condition	Test Method
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Melt Volume Flow Rate (MVR)	8 cm ³ /10 min	190°C/2.16 kg	ISO 1133
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Density	1400 kg/m ³		ISO 1183
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ALCOM® POM 770/1 SLDS Processing Guidelines

Injection Molding	Value & Unit	Test Condition	Test Method
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Drying Temperature	100 - 110 °C		
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Air circulating dryer time	3 - 5 hr		
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Processing (Melt) Temp	180 - 220 °C		
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Dry air (dessiccant) drying time	2 - 3 hr		
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Mold Temperature 60 - 120 °C



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