

ALCOM® POM 770/1 SLAP

Acetal (POM) Copolymer

MOCOM Compounds GmbH & Co. KG

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Technical Data

Product Description

Base Polymer
Polyoxymethylene Copolymer

Filler/Additive System
special filler

Special Features
improved sliding / wear, heat stabilised

Market Segment
Automotive, Machinery

Application Area
injection moulded parts

Typical Applications
bearings and sliding elements, functional components

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Filler
Additive	• Heat Stabilizer
Features	• Heat Stabilized • Wear Resistant
Uses	• Automotive Applications • Bearings • Machine/Mechanical Parts
RoHS Compliance	• Contact Manufacturer
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)	8.0 cm ³ /10min	ISO 1133
Molding Shrinkage		ISO 294-4
Across Flow : 24 hr	2.2 to 2.6 %	
Flow : 24 hr	2.6 to 3.0 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2350 MPa	ISO 527-1
Tensile Stress (Yield)	53.0 MPa	ISO 527-2
Tensile Strain		ISO 527-2
Yield	10 %	
Break	25 %	
Flexural Modulus	2300 MPa	ISO 178
Flexural Stress (3.5% Strain)	58.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
-40°C	4.0 kJ/m ²	
23°C	5.0 kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179/1eU
-40°C	80 kJ/m ²	
23°C	85 kJ/m ²	



Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	90.0 °C	ISO 75-2/A
Vicat Softening Temperature	142 °C	ISO 306/B50
Melting Temperature	173 °C	ISO 11357-3

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 to 90 °C

Notes

¹ Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

MOCOM Compounds GmbH & Co. KG

Telephone: +49-(0)40-78105-710

Web: <https://www.mocom.eu/>

Distributor

ALBIS

ALBIS is a global distribution company. Contact ALBIS for availability of individual products per country.

Telephone: +49-40-78105-0

Web: <https://www.albis.com/albis-distribution/en/about/locations>

Availability: Global

