ALCOM® POM 770/1 SLAP

Acetal (POM) Copolymer **MOCOM Compounds GmbH & Co. KG**

Technical Data

Product Description			
Base Polymer			
Polyoxymethylene Copolymer			
Filler/Additive System			
special filler			
Special Features			
improved sliding / wear heat stabil	ised		
improved sinding / wear, near stabil			
Market Segment			
Automotive, Machinery			
Application Area			
injection moulded parts			
Tomical Annulisations			
Typical Applications	tional components		
Concerct	clional 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		
r receccing method			
Physical		Nominal Value Unit	Test Method
Density		1.40 a/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (19	0°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 %	100 201 1
Flow : 24 hr		2.6 to 3.0%	
Mechanical		Nominal Value Unit	Test Method
Topsilo Modulus		2350 MP2	
Toppilo Stropp (Viold)		52.0 MPa	150 527-1
Tanaila Stress (Tield)		55.0 MFa	130 527-2
		40.0/	150 527-2
Yleid		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/m²	
Charpy Unnotched Impact Strength	1		ISO 179/1eU
-40°C		80 kJ/m ²	

80 kJ/m²

85 kJ/m²

1 of 3

23°C

UL LLC ©2023. All rights reserved. UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

ALCOM® POM 770/1 SLAP

Acetal (POM) Copolymer MOCOM Compounds GmbH & Co. KG

PROSPECTOR® www.ulprospector.com

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ISO 75-2/A
1.8 MPa, Unannealed	90.0 °C	
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.



UL LLC ©2023. All rights reserved. UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content. Form No. TDS-260400-en Document Created: Monday, July 24, 2023 Added to Prospector: November 2014 Last Updated: 2/17/2023

ALCOM® POM 770/1 SLAP

Acetal (POM) Copolymer **MOCOM Compounds GmbH & Co. KG**

R® PROSPECTO www.ulprospector.com

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

3 of 3

UL LLC ©2023. All rights reserved. UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

Form No. TDS-260400-en Document Created: Monday, July 24, 2023 Added to Prospector: November 2014 Last Updated: 2/17/2023