

ALCOM® POM 770/1 PTFE10

Acetal (POM) Copolymer

ALBIS PLASTIC GmbH

Message:

ALCOM®POM 770/1 PTFE10 is a polyoxymethylene (POM) copolymer product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:

Comply with REACH standard

ROHS certification

Copolymer

Wear-resistant

heat stabilizer

General Information			
Additive	PTFE lubricant (10%) heat stabilizer		
Features	Copolymer Good wear resistance Thermal Stability Lubrication Good demoulding performance		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	7.00	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2250	MPa	ISO 527-2
Tensile Stress (Yield)	55.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	50	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	102	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/B50

Injection	Nominal Value	Unit
Drying Temperature		
Dehumidification desiccant	100 - 110	°C
Hot air dryer	100 - 110	°C
Drying Time		
Dehumidification desiccant	3.0 - 5.0	hr
Hot air dryer	2.0 - 3.0	hr
Processing (Melt) Temp	180 - 220	°C
Mold Temperature	60 - 120	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

