

Witcom POM-C 4L1

Acetal (POM) Copolymer

Witcom Engineering Plastics B.V.

Message:

Witcom POM-C 4L1 is an Acetal (POM) Copolymer product. It is available in Europe.

Characteristics include:

- Flame Rated
- Copolymer
- Lubricated

General Information			
Additive	PTFE Lubricant (20%)		
Features	Copolymer		
	Lubricated		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	2.2 to 3.2	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	0.80	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 48.0	MPa	ISO 527-2
Tensile Strain (Break)	> 10	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.6	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength	35	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	105	°C	ISO 75-2/A
CLTE - Flow	1.1E-4	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	90.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210

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