

Witcom POM-C 2A/2L1

Acetal (POM) Copolymer

Witcom Engineering Plastics B.V.

Message:

Witcom POM-C 2A/2L1 is an Acetal (POM) Copolymer product filled with 10% aramid fiber. It is available in Europe.

Characteristics include:

Flame Rated

Copolymer

Lubricated

General Information			
Filler / Reinforcement	Aramid Fiber,10% Filler by Weight		
Additive	PTFE Lubricant (10%)		
Features	Copolymer		
	Lubricated		

Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	1.4 to 2.2	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	1.2	%	
Equilibrium, 23°C, 50% RH	0.30	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 55.0	MPa	ISO 527-2
Tensile Strain (Break)	> 5.0	%	ISO 527-2
Flexural Modulus	3200	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	50	kJ/m ²	ISO 180/1U

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	135	°C	ISO 75-2/A
CLTE - Flow	8.0E-5	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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