

Witcom POM-C 4G/3L1

Acetal (POM) Copolymer

Witcom Engineering Plastics B.V.

Message:

Witcom POM-C 4G/3L1 is an Acetal (POM) Copolymer product filled with 20% glass fiber. It is available in Europe.

Characteristics include:

Flame Rated

Copolymer

Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Copolymer		
	Lubricated		

Physical	Nominal Value	Unit	Test Method
Density	1.64	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.50 to 0.90	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	0.60	%	
Equilibrium, 23°C, 50% RH	0.20	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 105	MPa	ISO 527-2
Tensile Strain (Break)	1.0 to 3.0	%	ISO 527-2
Flexural Modulus	5500	MPa	ISO 178
Flexural Stress	130	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	30	kJ/m ²	ISO 180/1U

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	160	°C	ISO 75-2/A
CLTE - Flow	4.5E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	95.0	°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	525	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210

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