

Witcom POM-C 2012/300 EXP2

Acetal (POM) Copolymer

Witcom Engineering Plastics B.V.

Message:

Witcom POM-C 2012/300 EXP2 is a polyoxymethylene (POM) copolymer product. It can be processed by injection molding and is available in Europe. Features include:
flame retardant/rated flame
Copolymer

General Information			
Features	Metal Detectable		
	Copolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.64	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	1.5 - 2.5	%	ISO 2577
Water Absorption			ISO 62
Saturated, 23°C	0.70	%	ISO 62
Equilibrium, 23°C, 50% RH	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 55.0	MPa	ISO 527-2
Tensile Strain (Break)	> 20	%	ISO 527-2
Flexural Modulus	3500	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	5.0	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)	115	°C	ISO 75-2/A
RTI Imp (3.00 mm)	90.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 3.0	hr	
Suggested Max Moisture	0.050	%	
Processing (Melt) Temp	170 - 210	°C	

Mold Temperature	50.0 - 120	°C
Injection Rate	Fast	
Back Pressure	0.00 - 0.500	MPa

Injection instructions

Screw speed: 0.1 - 0.2 m/s Injection pressure: Keep to a minimum Hold pressure: Keep to a minimum

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