

Witcom POM-C EC-EP-HI

Acetal (POM) Copolymer

Witcom Engineering Plastics B.V.

Message:

Witcom POM-C EC-EP-HI is a polyoxymethylene (POM) copolymer product. It can be processed by injection molding and is available in Europe.

Features include:

flame retardant/rated flame

Impact modification

Conductivity

Copolymer

Good processability

General Information			
UL YellowCard	E302352-100119331		
Additive	Impact modifier		
Features	Impact modification		
	Conductivity		
	Copolymer		
	Good formability		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	1.5 - 2.3	%	ISO 2577
Water Absorption			ISO 62
Saturated, 23°C	0.80	%	ISO 62
Equilibrium, 23°C, 50% RH	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	45.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 6.0	%	ISO 527-2/50
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	6.5	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength	75	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	10 - 1.0E+3	ohms	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94
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/sInjection pressure: Keep to a minimumHold pressure: Keep to a minimum

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