

Witcom PP H-EC-FR-ECO Natural EXP2

Polypropylene Homopolymer
Witcom Engineering Plastics B.V.

Message:

Witcom PP H-EC-FR-ECO Natural EXP2 is a polypropylene homopolymer (PP Homopoly) product. It can be processed by injection molding and is available in Europe.
Features include:
flame retardant/rated flame
Flame Retardant
Conductivity
Homopolymer
Halogen-free

General Information			
Additive	Flame retardancy		
Features	Conductivity		
	Homopolymer		
	Halogen-free		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	1.3 - 1.8	%	ISO 2577
Water Absorption			ISO 62
Saturated, 23°C	0.030	%	ISO 62
Equilibrium, 23°C, 50% RH	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 30.0	MPa	ISO 527-2
Tensile Strain (Break)	> 20	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
RTI Imp (3.00 mm)	75.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 - 1.0E+7	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-0		ISO 1210

Glow Wire Flammability Index (1.60 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.050	%	
Processing (Melt) Temp	200 - 260	°C	
Mold Temperature	40.0 - 80.0	°C	
Injection Rate	Fast		
Back Pressure	0.00 - 1.00	MPa	
Injection instructions			

Screw speed: 0.1 - 0.25 m/s Injection pressure: Keep to a minimum Hold pressure: Keep to a minimum

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