

Witcom PP C/2G-EC-EM

Polypropylene

Witcom Engineering Plastics B.V.

Message:

Witcom PP C/2G-EC-EM is a polypropylene product that contains a 10% glass fiber reinforced material. It can be processed by injection molding and is available in Europe.
Features include:
flame retardant/rated flame
Conductivity
Good processability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Conductivity		
	Good formability		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.60 - 0.90	%	ISO 2577
Water Absorption			ISO 62
Saturated, 23°C	0.040	%	ISO 62
Equilibrium, 23°C, 50% RH	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 40.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0 - 6.0	%	ISO 527-2
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress	45.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	12	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	70	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	120	°C	ISO 75-2/A
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	70.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 - 1.0E+5	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 - 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/slInjection pressure: Keep to a minimumHold pressure: Keep to a minimum

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Recommended distributors for this material

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