

Witcom PC EC-EM-FR

Polycarbonate

Witcom Engineering Plastics B.V.

Message:

Witcom PC EC-EM-FR is a Polycarbonate (PC) product. It is available in Europe.

Characteristics include:

- Flame Rated
- Flame Retardant
- Conductive
- Good Processability

General Information			
Additive	Flame Retardant		
Features	Conductive		
	Flame Retardant		
	Good Moldability		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.40 to 0.70	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	0.30	%	
Equilibrium, 23°C, 50% RH	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 65.0	MPa	ISO 527-2
Tensile Strain (Break)	> 5.0	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	95	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	130	°C	ISO 75-2/A
CLTE - Flow	6.3E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+4 to 1.0E+7	ohms	ASTM D257
Volume Resistivity	1.0E+5 to 1.0E+8	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-1		

3.00 mm	V-0		
Glow Wire Flammability Index (1.60 mm)	960	°C	IEC 60695-2-12

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