

Witcom PC/ABS 2S-FR

Polycarbonate + ABS

Witcom Engineering Plastics B.V.

Message:

Witcom PC/ABS 2S-FR is a Polycarbonate + ABS (PC+ABS) product filled with stainless steel fiber. It is available in Europe.

Characteristics include:

Flame Rated

Flame Retardant

Electromagnetic Shielding (EMI)

General Information			
Filler / Reinforcement	Stainless Steel Fiber		
Additive	Flame Retardant		
Features	Electromagnetic Shielding (EMI)		
	Flame Retardant		

Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.40 to 0.60	%	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)	< 60.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0 to 10	%	ISO 527-2
Flexural Modulus	3200	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.0	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength	50	kJ/m²	ISO 180/1U

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
CLTE - Flow	6.0E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	85.0	°C	UL 746

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+5	ohms	ASTM D257
EMI Shielding Effectiveness (3.00 mm)	40.0 to 55.0	dB	ASTM D4935

Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		ISO 1210
Glow Wire Flammability Index (1.60 mm)	750	°C	IEC 60695-2-12

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