

Witcom PC/ABS 3S

Polycarbonate + ABS

Witcom Engineering Plastics B.V.

Message:

Witcom PC/ABS 3S is a Polycarbonate + ABS (PC+ABS) product filled with stainless steel fiber. It is available in Europe.

Characteristics include:

Flame Rated

Electromagnetic Shielding (EMI)

General Information			
Filler / Reinforcement	Stainless Steel Fiber		
Features	Electromagnetic Shielding (EMI)		
Physical	Nominal Value	Unit	Test Method
Density	1.21	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)	< 40.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0 to 5.0	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	25	kJ/m ²	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	5.8E-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	10 to 1.0E+3	ohms	ASTM D257
EMI Shielding Effectiveness (3.00 mm)	50.0 to 65.0	dB	ASTM D4935
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210
Glow Wire Flammability Index (1.60 mm)	750	°C	IEC 60695-2-12

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