

# Witcom PC/ABS 3S-FR

Polycarbonate + ABS

Witcom Engineering Plastics B.V.

## Message:

Witcom PC/ABS 3S-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	1.35	g/cm <sup>3</sup>	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)	< 55.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	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	6.0	kJ/m <sup>2</sup>	ISO 180/1A
Unnotched Izod Impact Strength	34	kJ/m <sup>2</sup>	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	10 to 1.0E+5	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)	V-0		ISO 1210
Glow Wire Flammability Index (1.60 mm)	750	°C	IEC 60695-2-12

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### Recommended distributors for this material

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