

Witcom ABS 3S

Acrylonitrile Butadiene Styrene

Witcom Engineering Plastics B.V.

Message:

Witcom ABS 3S is an Acrylonitrile Butadiene Styrene (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	1.16	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	1.0	%	
Equilibrium, 23°C, 50% RH	0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 40.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0 to 6.0	%	ISO 527-2
Flexural Modulus	3700	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	90.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+4	ohms	ASTM D257
EMI Shielding Effectiveness (3.00 mm)	> 55.0	dB	ASTM D4935
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210
Glow Wire Flammability Index (1.60 mm)	650	°C	IEC 60695-2-12

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