

Witcom PA12 EC-HI

Polyamide 12

Witcom Engineering Plastics B.V.

Message:

Witcom PA12 EC-HI is a Polyamide 12 (Nylon 12) product. It is available in Europe.

Characteristics include:

- Flame Rated
- Conductive
- Impact Resistant

General Information			
Features	Conductive		
	High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	1.1 to 1.4	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	1.1	%	
Equilibrium, 23°C, 50% RH	0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 45.0	MPa	ISO 527-2
Tensile Strain (Break)	> 25	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	55.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	10	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3 to 1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+4	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210

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Recommended distributors for this material

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