

Witcom PA6 2008/334

Polyamide 6

Witcom Engineering Plastics B.V.

Message:

Witcom PA6 2008/334 is a Polyamide 6 (Nylon 6) product filled with filler. It is available in Europe.

Characteristics include:

Flame Rated

Conductive

General Information			
Filler / Reinforcement	Filler		
Features	Electrically Conductive		
	Thermally Conductive		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.20 to 0.50	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	3.5	%	
Equilibrium, 23°C, 50% RH	1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 50.0	MPa	ISO 527-2
Tensile Strain (Break)	0.50	%	ISO 527-2
Flexural Modulus	20000	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	2.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	10	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity ¹	6.0	W/m/K	ASTM E1530
RTI Imp (3.00 mm)	90.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+3	ohms	ASTM D257
Volume Resistivity	10 to 1.0E+3	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210
NOTE			

1. through plane

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