

Witcom PA66 10LG

Polyamide 66

Witcom Engineering Plastics B.V.

Message:

Witcom PA66 10LG is a Polyamide 66 (Nylon 66) product filled with 50% long glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Long Glass Fiber,50% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	0.15 to 0.25	%	ISO 2577
Water Absorption			ISO 62
Saturation, 23°C	4.3	%	
Equilibrium, 23°C, 50% RH	1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 265	MPa	ISO 527-2
Tensile Strain (Break)	2.4	%	ISO 527-2
Flexural Modulus	14500	MPa	ISO 178
Flexural Stress	420	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	35	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	83	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	253	°C	ISO 75-2/A
CLTE - Flow	2.0E-5	cm/cm/°C	ISO 11359-2
RTI Imp (3.00 mm)	105	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210

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