

Amilan® HF3064G15

Polyamide 66
Toray Resin Company

Message:

Amilan® HF3064G15 is a Polyamide 66 (Nylon 66) product filled with 15% glass fiber. It is available in Asia Pacific, Europe, or North America.
Characteristics include:
Flame Rated
Flame Retardant
Good Toughness
Halogen Free

General Information			
UL YellowCard	E41797-100198659		
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Toughness		
	Halogen Free		
Part Marking Code	>PA66-GF15FR<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.41	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm ¹	1.1 to 1.3	%	
Flow : 3.00 mm ²	0.30 to 0.50	%	
Water Absorption			ISO 62
23°C, 24 hr	0.40	%	
Saturation, 23°C	5.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	105	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.7	%	ISO 527-2
Flexural Modulus (23°C)	6900	MPa	ISO 178
Flexural Stress (23°C)	165	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	243	°C	ISO 75-2/B
Melting Temperature	265	°C	DSC
CLTE - Flow	5.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093

Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.794 mm)	V-0		UL 94
NOTE			
1.	80x80x3		
2.	80x80x3mm		

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Recommended distributors for this material

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