

Amilan™ HF3064G-15

Nylon 66

TECHNICAL DATA

Product Description

Non-halogen, GF15%

Uses

- Appliances
- Camera Applications
- Cell Phones
- Communication Applications
- Computer Components
- Connectors
- Displays
- Electrical Housing
- Electrical/Electronic Applications
- Insulation
- Lighting Applications
- Office Automation Equipment
- Printer
- Switches
- Video Equipment
- White Goods & Small Appliances

Processing Method

- Injection Molding

ISO Designation

- >PA66-GF15FR(40)<

Type

- Nylon66/Flame retardant

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.41	g/cm³	ISO 1183
Molding Shrinkage ¹			Internal Method
Across Flow : 3.00 mm	1.10 to 1.30	%	
Flow : 3.00 mm	0.30 to 0.50	%	
Water Absorption ²			ISO 62
24 hr, 23°C	0.40	%	
Saturation, 23°C	5.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (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
Deflection Temperature Under Load			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	243	°C	ISO 75-2/A
Melting Temperature	265	°C	DSC
Coefficient of Linear Thermal Expansion	5	cm ³ -5/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms·m	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.38 mm)	V-0		UL 94

Toray Industries, Inc.

