

Amilan™ CM6004-VG

Nylon, Unspecified

TECHNICAL DATA

Product Description

Unreinforced, Glow wire standard-compliant

Uses

- Appliances
- Batteries
- Connectors
- Electrical/Electronic Applications
- Household Goods
- Switches

Processing Method

- Injection Molding

ISO Designation

- >PA-FR(30)<

Type

- Co-polymer Nylon/Flame retardant

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.22	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	1.00 to 2.00	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	70	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	3500	MPa	ISO 178
Flexural Stress (23°C)	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	182	°C	ISO 75-2/B
1.8 MPa, Unannealed	71	°C	ISO 75-2/A
Melting Temperature	214	°C	DSC
Thermal Conductivity	0.37	W/m/K	
Coefficient of Linear Thermal Expansion	6	cm ³ /cm/°C	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.25 mm)	V-0		UL 94

Notes

¹ 80x80x3mm

Toray Industries, Inc.

