

# GATONE™ 5330GF

Polyetheretherketone

Solvay Specialities India Private Limited (SSIPL)

# PROSPECTOR®

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## Technical Data

### Product Description

GATONE™ 5330GF is a Polyetheretherketone (PEEK) material filled with 30% glass fiber. It is available in Asia Pacific, Europe, or North America. Primary attribute of GATONE™ 5330GF: Flame Rated.

Typical application of GATONE™ 5330GF: Wire & Cable

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Agency Ratings	• UL
Forms	• Pellets

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.50 g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.080 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus (23°C, Injection Molded)	10000 MPa	ASTM D638
Tensile Strength (23°C, Injection Molded)	160 MPa	ASTM D638
Tensile Elongation		ASTM D638
Break, 23°C, Injection Molded	2.5 %	
Flexural Modulus (23°C, Injection Molded)	10000 MPa	ASTM D790
Flexural Strength (23°C, Injection Molded)	260 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	95 J/m	ASTM D256
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (M-Scale)	102	ASTM D785
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
1.8 MPa, Unannealed, Injection Molded	20.0 °C	
Continuous Use Temperature	0.00300 °C	ASTM D794
Glass Transition Temperature	2.90 °C	DSC
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+14 ohms	ASTM D257
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257
Comparative Tracking Index (CTI)	150 V	UL 746A
Flammability	Nominal Value Unit	Test Method
Flame Rating (0.8 mm)	V-0	UL 94
Oxygen Index	45 %	ASTM D2863

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.



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## Where to Buy

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### Supplier

**Solvay Specialities India Private Limited (SSIPL)**

Prabhadevi, Mumbai, Prabhadevi, Mumbai India

Telephone: +91-22-2438-5564

Web: <http://www.solvayadvancedpolymers.com/>

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### Distributor

Please contact the supplier to find a distributor for GATONE™ 5330GF

