

# GATONE™ 5630GF

Polyetheretherketone

Solvay Specialities India Private Limited (SSIPL)

Message:

GATONE™ 5630GF is a Polyetheretherketone (PEEK) material filled with 30% glass fiber. It is available in Asia Pacific, Europe, or North America. Primary attribute of GATONE™ 5630GF: Flame Rated.  
Typical application of GATONE™ 5630GF: Wire & Cable

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Agency Ratings	UL Unspecified Rating		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.080	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	102		ASTM D785
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 (Break, 23°C, Injection Molded)	2.5	%	ASTM D638
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
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	20.0	°C	ASTM D648
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 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Oxygen Index	45	%	ASTM D2863

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Recommended distributors for this material

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