

GATONE™ 5600

Polyetheretherketone

Solvay Specialities India Private Limited (SSIPL)

Message:

GATONE™ 5600 is a Polyetheretherketone (PEEK) material. It is available in Asia Pacific, Europe, or North America. Primary attribute of GATONE™ 5600: Flame Rated.
Typical applications include:
Medical/Healthcare
Wire & Cable

General Information			
Agency Ratings	EPA TSCA		
	UL Unspecified Rating		
	USP Class VI		
Appearance	Brown		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792
Melt Volume-Flow Rate (MVR) (380°C/5.0 kg)	25.0 to 30.0	cm³/10min	ASTM D1238
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, Injection Molded)	3500	MPa	ASTM D638
Tensile Strength (23°C, Injection Molded)	90.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C, Injection Molded)	30	%	ASTM D638
Flexural Modulus (23°C, Injection Molded)	3500	MPa	ASTM D790
Flexural Strength (23°C, Injection Molded)	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	140	°C	ASTM D648
Continuous Use Temperature	260	°C	ASTM D794
Glass Transition Temperature	148	°C	DSC
CLTE - Flow	8.1E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257

Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant (23°C, 60 Hz)	2.90		ASTM D150
Dissipation Factor (23°C, 60 Hz)	3.0E-3		ASTM D150
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	40	%	ASTM D2863

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

