

GATONE™ 5300X

Polyetheretherketone

Solvay Specialities India Private Limited (SSIPL)

Message:

GATONE™ 5300X is a Polyetheretherketone (PEEK) material. It is available in Asia Pacific, Europe, or North America.

Important attributes of GATONE™ 5300X are:

- Chemical Resistant
- Heat Resistant
- Radiation (Gamma) Resistant
- Wear Resistant

Typical applications include:

- Aerospace
- Engineering/Industrial Parts
- Electrical/Electronic Applications
- Plumbing/Piping/Potable Water
- Printing Applications

General Information			
Features	Good Chemical Resistance		
	Good Thermal Stability		
	Good Wear Resistance		
	Hydrolysis Resistant		
	Machinable		
	Radiation (Gamma) Resistant		
Uses	Aerospace Applications		
	Aircraft Applications		
	Electrical/Electronic Applications		
	Fluid Handling		
	Printer Parts		
	Pump Parts		
	Rotating Equipment		
	Valves/Valve Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4140	MPa	ASTM D638
Tensile Strength	93.8	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	4140	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact	65	J/m	ASTM D256
Unnotched Izod Impact	No Break		ASTM D256

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