

GATONE™ 5300PF

Polyetheretherketone

Solvay Specialities India Private Limited (SSIPL)

Message:

GATONE™5300PF is a polyether ether ketone (PEEK) material. This product is available in North America, Europe or Asia Pacific.

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
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)	50	%	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)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	145	°C	DSC
Melting Temperature	340	°C	DSC
Additional Information			
Moisture Content, P/QA/I/043 Method: 0.2%Volatile Content, P/QA/I/306 Method: 0.5%Inherent Viscosity, ASTM D2857, of 0.5% (w/v) Solution, in 98% H2SO4, 25°C: 0.9 dl/gmParticle Size, P/QA/I/503 Method, 105 µ: 98%			
Injection	Nominal Value	Unit	
Drying Temperature	170	°C	
Drying Time	3.0	hr	

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Recommended distributors for this material

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