

GAPEKK™ 3300G

Polyetherketoneketone

Gharda Chemicals Ltd.

Message:

Product Details: Ultra high performance thermoplastic polymer, unfilled Polyether Ketone Ketone (PEKK), semicrystalline granules suitable for injection molding and compounding, standard flow, brown in color.

Application Areas: Suitable for high temperature under heavy load applications, high compressive strength & abrasion resistance, high chemical resistance & oil resistance etc.

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Compressive Strength		
	Good Flow		
	High Heat Resistance		
	Oil Resistant		
	Semi Crystalline		
Uses	High Temperature Applications		
Appearance	Brown		
Forms	Granules		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	
Molding Shrinkage ¹			
Flow	1.2	%	
Across Flow	1.3	%	
Water Absorption (Equilibrium)	0.040	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3900	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	85.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0 to 4.0	%	ASTM D638
Flexural Modulus (23°C)	4000	MPa	ASTM D790
Flexural Strength (23°C)	185	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	188	°C	ASTM D648
Continuous Use Temperature	300	°C	UL 746B
Glass Transition Temperature	176	°C	ASTM D3418
Melting Temperature	396	°C	ASTM D3418
Thermal Stability - Haake ²	25	min	
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	150	°C	
Drying Time	4.0 to 6.0	hr	
Hopper Temperature	60.0 to 80.0	°C	
Nozzle Temperature	425	°C	
Processing (Melt) Temp	390 to 425	°C	
Mold Temperature	200 to 220	°C	
NOTE			
1.	425°C nozzle, 220°C Mold		
2.	GSRF 05/420°C, 60 rpm		

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

