

SABIC Innovative Plastics LNP Stat-kon EX08308C PEI (Asia Pacific)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Stat-Kon® EX08308C is a high cleanliness Polyetherimide Compound reinforced with Carbon Fiber for use in applications requiring the highest level of cleanliness. This compound is compounded using LNP CCS Technology. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Stat-kon-EX08308C-PEI-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Density	1.387 g/cc	0.05011 lb/in ³	ASTM D 792
Moisture Absorption at Equilibrium	0.18 % @Time 86400 sec	0.18 % @Time 24.0 hour	50% RH; ASTM D 570
Linear Mold Shrinkage, Flow	0.0025 - 0.0031 cm/cm @Time 86400 sec	0.0025 - 0.0031 in/in @Time 24.0 hour	ASTM D 955
Linear Mold Shrinkage, Transverse	0.0036 - 0.0042 cm/cm @Time 86400 sec	0.0036 - 0.0042 in/in @Time 24.0 hour	ASTM D 955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	188 MPa	27300 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	1.6 %	1.6 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	21.09 GPa	3059 ksi	50 mm/min; ASTM D 638
Flexural Strength	209 MPa	30300 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	16.0 GPa	2320 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	0.500 J/cm @Temperature 23.0 Å°C	0.937 ft-lb/in @Temperature 73.4 Å°F	ASTM D 256
Izod Impact, Unnotched	3.09 J/cm @Temperature 23.0 Å°C	5.79 ft-lb/in @Temperature 73.4 Å°F	ASTM D 4812
Impact Test	5.00 J @Temperature 23.0 Å°C	3.69 ft-lb @Temperature 73.4 Å°F	Instrumented Impact Energy @ peak; ASTM D 3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	4.80 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	2.67 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM E 831
	@Temperature -40.0 - 40.0 $\text{Å}^\circ\text{C}$	@Temperature -40.0 - 104 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	44.9 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	24.9 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM E 831
	@Temperature -40.0 - 40.0 $\text{Å}^\circ\text{C}$	@Temperature -40.0 - 104 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	200 $\text{Å}^\circ\text{C}$	392 $\text{Å}^\circ\text{F}$	unannealed; ASTM D 648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 0.400 mm	@Thickness 0.0157 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	25100 - 251000 ohm-cm	25100 - 251000 ohm-cm	ASTM D 257
Surface Resistance	4500 - 90000 ohm	4500 - 90000 ohm	ASTM D 257
Static Decay	≤ 0.10 sec	≤ 0.10 sec	5000V to $\leq 50\text{V}$; FTMS101B

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China