

## LNP Stat-Kon® PDX-E-99550 CCS Polyetherimide, Carbon Fiber Reinforcement (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), Carbon Fiber Filled

### Material Notes:

Features: Low to None Ion Content, Electrically Conductive  
 Forms: Pellets  
 Processing Method: Injection Molding  
 Information provided by LNP, a GE Plastics Company. This data sheet is labeled Discontinued; however many LNP grades are still active under new names instituted after the SABIC purchase.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LNP-Stat-Kon-PDX-E-99550-CCS-Polyetherimide-Carbon-Fiber-Reinforcement-nbspdiscontinued.php](http://www.lookpolymers.com/polymer_LNP-Stat-Kon-PDX-E-99550-CCS-Polyetherimide-Carbon-Fiber-Reinforcement-nbspdiscontinued.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	Method A; ASTM D792
Water Absorption	0.20 %	0.20 %	at 24 hrs; ASTM D570
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	190 MPa	27600 psi	ASTM D638
Tensile Strength, Yield	190 MPa	27600 psi	ASTM D638
Elongation at Break	1.1 %	1.1 %	ASTM D638
Elongation at Yield	1.1 %	1.1 %	ASTM D638
Tensile Modulus	20.7 GPa	3000 ksi	ASTM D638
Flexural Strength	262 MPa	38000 psi	ASTM D790
Flexural Modulus	18.8 GPa	2730 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.18 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	3.52 J/cm @Thickness 3.18 mm	6.59 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	5.30 kJ/m <sup>2</sup>	2.52 ft-lb/in <sup>2</sup>	ISO 180
Izod Impact, Unnotched (ISO)	24.2 kJ/m <sup>2</sup>	11.5 ft-lb/in <sup>2</sup>	ISO 180
Falling Dart Impact	8.50 J	6.27 ft-lb	ASTM D3763

Mechanical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	10.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	TMA; ASTM E831
	@Temperature 20.0 $\text{°C}$	@Temperature 68.0 $\text{°F}$	
CTE, linear, Transverse to Flow	22.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	12.2 $\mu\text{in}/\text{in}\cdot\text{°F}$	TMA; ASTM E831
	@Temperature 20.0 $\text{°C}$	@Temperature 68.0 $\text{°F}$	
Deflection Temperature at 1.8 MPa (264 psi)	202 $\text{°C}$	396 $\text{°F}$	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 0.350 mm	@Thickness 0.0138 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.0 - 10000 ohm	1.0 - 10000 ohm	ASTM D4496

Processing Properties	Metric	English	Comments
Melt Temperature	360 - 366 $\text{°C}$	680 - 691 $\text{°F}$	
Mold Temperature	121 - 149 $\text{°C}$	250 - 300 $\text{°F}$	
Drying Temperature	121 - 149 $\text{°C}$	250 - 300 $\text{°F}$	
Dry Time	4 hour	4 hour	
Moisture Content	0.020 %	0.020 %	Suggested
Back Pressure	0.345 - 0.689 MPa	50.0 - 99.9 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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