

LNP Stat-Kon® EC-1008 EM BK8-115 Polyetherimide, Carbon Fiber Reinforcement (discontinued **)

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

Material Notes:

Features: Electrically Conductive, Good MoldabilityForms: PelletsProcessing Method: Injection MoldingInformation 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-EC-1008-EM-BK8-115-Polyetherimide-Carbon-Fiber-Reinforcement-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	Method A; ASTM D792
Linear Mold Shrinkage	0.00 cm/cm	0.00 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	222 MPa	32200 psi	ASTM D638
Elongation at Break	1.5 %	1.5 %	ASTM D638
Flexural Strength	310 MPa	45000 psi	ASTM D790
Flexural Modulus	25.5 GPa	3700 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	4.27 J/cm @Thickness 3.18 mm	8.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Coefficient of Friction, Dynamic	0.50	0.50	vs. Steel - @ 40 psi, 50 ft/min, tested in accordance with LNP WI-0687; ASTM D1894
Coefficient of Friction, Static	0.46	0.46	vs. Steel @ 40 psi, tested in accordance with LNP WI-0687; ASTM D1894
K (wear) Factor	141 x 10 ⁻⁸ mm ³ /N-M	70.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	40psi, 50ft/min; tested in accordance with LNP WI-0687

Processing Properties	Metric	English	Comments
Melt Temperature	360 - 366 °C	680 - 691 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	121 - 149 °C	250 - 300 °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	

Descriptive Properties	Value	Comments
Color	Black	

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