

LNP ULTEM® JD7902 Polyetherimide (discontinued **)

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

Material Notes:

Forms: Pellets 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-ULTEM-JD7902-Polyetherimide-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792
Water Absorption	0.26 %	0.26 %	at 24 hrs; ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	128 MPa	18600 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	186 MPa	27000 psi	ASTM D790
Flexural Modulus	5.88 GPa	853 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature -30.0 - 30.0 °C	19.4 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature -22.0 - 86.0 °F	TMA
Deflection Temperature at 0.46 MPa (66 psi)	210 °C @Thickness 3.20 mm	410 °F @Thickness 0.126 in	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+6 - 1.00e+8 ohm	1.00e+6 - 1.00e+8 ohm	ASTM D257

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