

**LNP ULTEM® SMU5872 Polyetherimide, 25% PTFE Lubricant (discontinued \*\*)**

Category : Polymer , Thermoplastic , Polyetherimide (PEI)

**Material Notes:**

Not stand-alone resin: Compounding/ concentrate for wear resistance. Will be commercialized as UF2500. Features: Lubricated, Good Wear Resistance  
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-SMU5872-Polyetherimide-25-PTFE-Lubricant-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_LNP-ULTEM-SMU5872-Polyetherimide-25-PTFE-Lubricant-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.7 MPa	10300 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	7.6 %	7.6 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	100 MPa	14500 psi	(102 mm Span) 3mm/min; ASTM D790
Flexural Modulus	2.29 GPa	332 ksi	(102 mm Span) 3mm/min; ASTM D790
Izod Impact, Notched	0.374 J/cm	0.701 ft-lb/in	ASTM D256
Falling Dart Impact	6.21 J	4.58 ft-lb	ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	196 °C @Thickness 6.35 mm	385 °F @Thickness 0.250 in	Unannealed; ASTM D648

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