

LNP ULTEM® SMU5806 Polyetherimide, 8% Carbon Fiber Reinforcement (discontinued **)

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

Material Notes:

Features: Low ShrinkageForms: 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-ULTEM-SMU5806-Polyetherimide-8-Carbon-Fiber-Reinforcement-nbspdiscontinued-.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	133 MPa	19300 psi	Type I, 5 mm/min; ASTM D638
Tensile Modulus	6.89 GPa	999 ksi	5 mm/min; ASTM D638
Flexural Strength	241 MPa	35000 psi	102 mm Span, 3 mm/min; ASTM D790
Flexural Modulus	7.17 GPa	1040 ksi	(102 mm Span) 3mm/min; ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.75 J/cm	8.90 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 °C @Thickness 3.18 mm	410 °F @Thickness 0.125 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	360 - 382 °C	680 - 720 °F	
Middle Barrel Temperature	371 - 393 °C	700 - 739 °F	
Front Barrel Temperature	382 - 404 °C	720 - 759 °F	
Nozzle Temperature	377 - 399 °C	711 - 750 °F	
Melt Temperature	382 - 404 °C	720 - 759 °F	
Mold Temperature	135 - 163 °C	275 - 325 °F	
Drying Temperature	149 °C	300 °F	
Dry Time	<= 24 hour	<= 24 hour	
Moisture Content	0.020 %	0.020 %	Suggested

Back Pressure Processing Properties	0.345 - 0.689 MPa Metric	50.0 - 99.9 psi English	Comments
Clamp Pressure	41.0 - 69.0 MPa	5950 - 10000 psi	
Shot Size	40 - 60 %	40 - 60 %	Suggested
Vent Depth	0.00250 - 0.00760 cm	0.000984 - 0.00299 in	
Screw Speed	40 - 70 rpm	40 - 70 rpm	

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