

Mitsui AURUM® JNF3020 Thermoplastic Polyimide Resin, Wear/Friction Grade (discontinued **)

Category : Polymer , Thermoplastic , Polyimide, Thermoplastic

Material Notes:

AURUM® is an easy melt, processable and recyclable thermoplastic polyimide resin that provides continuous service temperatures to 465° F in its amorphous state and up to 550° F when annealed to its semicrystalline state. In addition, it displays low outgassing, superior radiation resistance and excellent chemical resistance properties. Applications: Components for automotive and aircraft engines Transmission Farming, off-road and construction equipment Industrial machinery Electric motors, pumps and compressors Business machines such as laser pointers and high speed copy machines Electronic and semiconductor transport media Analytical and medical equipment Conveyors and textile equipment Information provided by Mitsui.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mitsui-AURUM-JNF3020-Thermoplastic-Polyimide-Resin-WearFriction-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	71.6 MPa	10400 psi	
Elongation at Break	6.0 %	6.0 %	
Flexural Strength	96.1 MPa	13900 psi	
Flexural Modulus	2.35 GPa	341 ksi	
Izod Impact, Notched	0.140 J/cm	0.262 ft-lb/in	

Thermal Properties	Metric	English	Comments
Melting Point	388 °C	730 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	390 - 420 °C	734 - 788 °F	Injection molding, extrusion

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