

Shin-Etsu Silicones FE-273U Elastomer

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

FE-273U is high modulus and low compression set fluorosilicone compounds. It is designed to process well in molding application. Features Excellent fuel and solvent resistance Usable over a broad temperature range Accepts extending fillers for compounding to higher durometers Applications Chemical resistant packings and seals Oil and fuel resistant seals, O rings, diaphragms for automotive Heat and cold resistant packings, gaskets for aeronautical Information Provided by Shin-Etsu Silicones of America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-FE-273U-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	
Tensile Strength	9.58 MPa	1390 psi	
Elongation at Yield	240 %	240 %	
100% Modulus	0.00390 GPa	0.566 ksi	
Tear Strength	18.1 kN/m	103 pli	
Compression Set	5.0 % @Temperature 180 Å°C, Time 79200 sec	5.0 % @Temperature 356 Å°F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	240 min @Temperature 200 Å°C	4.00 hour @Temperature 392 Å°F	Post Cure

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