

## Shin-Etsu Silicones KE-971U Silicone Elastomer

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

**Material Notes:**

KE971 U is one of a series of easy processing, general purpose silicone rubber bases. It can be used in a variety of applications requiring finishing by molding (compression, injection, transfer). Product Features: Rubber contacts. Industrial packing. Diaphragms. Information Provided by Shin-Etsu Silicones of America, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Shin-Etsu-Silicones-KE-971U-Silicone-Elastomer.php](http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-KE-971U-Silicone-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	
Tensile Strength at Break	6.86 MPa	995 psi	
Elongation at Break	200 %	200 %	
Tear Strength	13.1 kN/m	75.0 pli	Die B
Compression Set	9.0 % @Temperature 149 Â°C, Time 79200 sec	9.0 % @Temperature 300 Â°F, Time 22.0 hour	

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

Descriptive Properties	Value	Comments
Cure Agent	DBPH	
Cure Type	Post Cure	

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