

Dow Corning S70 LIQUID SILICONE RUBBER KIT

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

Material Notes:

A heat-cured elastomer for use by customers fabricating medical devices, including those intended for implantation in humans for less than 30 days and non-implant applications. Dow Corning® S70 Liquid Silicone Rubber is a two-part platinumcatalyzed silicone elastomers specifically designed for liquid injection molding or supported extrusion. The elastomer is supplied as a two-part kit (Part A and Part B), equal portions (by weight) of which must be thoroughly blended together prior to use. The elastomer is thermally cured via an addition-cure (platinum catalyzed) reaction. When blended and cured as indicated the resulting elastomer consists of crosslinked dimethyl and methyl-vinyl siloxane copolymers and reinforcing silica. Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-S70-LIQUID-SILICONE-RUBBER-KIT.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|----------|
| Specific Gravity | 1.14 g/cc | 1.14 g/cc | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|----------|----------|
| Hardness, Shore A | 66 | 66 | |
| Tensile Strength, Ultimate | 9.38 MPa | 1360 psi | |
| Elongation at Break | 451 % | 451 % | |
| Tear Strength | 42.2 kN/m | 241 pli | |
| Compression Set | 20 % | 20 % | |

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