

Dow Corning S50 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® S50 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-S50-LIQUID-SILICONE-RUBBER-KIT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	
Tensile Strength, Ultimate	8.791 MPa	1275 psi	
Elongation at Break	610 %	610 %	
Tear Strength	42.4 kN/m	242 pli	
Compression Set	14 %	14 %	

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