

## Saint-Gobain COHRLastic® 9070 Wide Series General Purpose Silicone Solid Rubber

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

### Material Notes:

**Description:** COHRLastic® solid silicone rubber in square sheet and continuous length form has a smooth, blemish-free surface. It is available in degrees of hardness from relatively soft 30 durometer to the relatively hard 70 durometer on the Shore A scale. It is manufactured in different formulations to provide a choice of physical properties and cost considerations. Series 9030-9070: COHRLastic 9030 - 9070 series is also general purpose (similar to 300 - 700 series), but is produced in 36" wide continuous lengths for the most efficient utilization of material, minimizing waste. Standard thicknesses are 1/32", 1/16" and 1/8". Withstands temperatures from -100°F to 500°F. RED in color. All data based on a 0.0625 inch test sample.(Also comes in thicknesses from 1/32" to 1/8") Information provided by Saint Gobain Performance Products.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Saint-Gobain-COHRLastic-9070-Wide-Series-General-Purpose-Silicone-Solid-Rubber.php](http://www.lookpolymers.com/polymer_Saint-Gobain-COHRLastic-9070-Wide-Series-General-Purpose-Silicone-Solid-Rubber.php)

| Mechanical Properties   | Metric                      | English                     | Comments   |
|-------------------------|-----------------------------|-----------------------------|--|
| Hardness, Shore A       | 65 - 75                     | 65 - 75                     | Increases by 5 after dry heat aging for 70 hrs at 437°F.; ASTM D2240                       |
| Tensile Strength, Yield | 5.17 MPa                    | 750 psi                     | Tensile strength decreases by 10% after dry heat aging for 70 hrs at 437°F.; ASTM D412     |
| Elongation at Break     | 160 %                       | 160 %                       | Elongation properties decrease by 20% after dry heat aging for 70 hrs at 437°F.; ASTM D412 |
| Tear Strength           | 11.4 kN/m                   | 65.0 pli                    | Initial Tear Strength; ASTM D624   |
| Compression Set         | 20 %<br>@Temperature 160 °C | 20 %<br>@Temperature 320 °F | Constant Deflection, 70 hrs.; ASTM D395  |

| Thermal Properties     | Metric                              | English                               | Comments |
|------------------------|-------------------------------------|---------------------------------------|----------|
| CTE, linear            | 270 µm/m-°C<br>@Temperature 20.0 °C | 150 µin/in-°F<br>@Temperature 68.0 °F |          |
| Specific Heat Capacity | 1.26 J/g-°C                         | 0.300 BTU/lb-°F                       |          |
| Thermal Conductivity   | 0.187 W/m-K                         | 1.30 BTU-in/hr-ft²-°F                 |          |

| Electrical Properties | Metric     | English   | Comments |
|-----------------------|------------|-----------|----------|
| Dielectric Strength   | 19.7 kV/mm | 500 kV/in |          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | Red   |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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