

## Saint-Gobain COHRLastic® 9255 High Performance 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. 9200 Series: COHRLastic 9200 High Performance Series provides excellent tensile strength and superior tear resistance. It is tougher and more resilient than general-purpose silicone. Standard thicknesses are 1/32", 1/16" and 1/8", and it withstands temperatures ranging from -100°F to +400°F. A minimum thickness of 0.015" is available on a minimum quantity basis. 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-9255-High-Performance-Silicone-Solid-Rubber.php](http://www.lookpolymers.com/polymer_Saint-Gobain-COHRLastic-9255-High-Performance-Silicone-Solid-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 - 55	45 - 55	Increases by 10 after dry heat aging for 70 hrs at 437°F.; ASTM D2240
Tensile Strength, Yield	8.27 MPa	1200 psi	Tensile strength decreases by 20% after dry heat aging for 70 hrs at 437°F.; ASTM D412
Elongation at Break	600 %	600 %	Elongation properties decrease by 30% after dry heat aging for 70 hrs at 437°F.; ASTM D412
Tear Strength	28.0 kN/m	160 pli	Initial Tear Strength; ASTM D624
Compression Set	30 % @Temperature 160 °C	30 % @Temperature 320 °F	Constant Deflection, 70 hrs.; ASTM D395

Thermal Properties	Metric	English	Comments
CTE, linear	270 Åµm/m-°C @Temperature 20.0 °C	150 Åµin/in-°F @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-ftÅ²-°F	

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

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Grav Value	Comments
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**Contact Songhan Plastic Technology Co.,Ltd.**

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