

COHRLastic® 500

Solid Silicone Rubber

Saint-Gobain Performance Plastics COHRLastic® 500 is a general purpose Shore "A" 50 durometer solid silicone rubber manufactured in 36" x 36" molded sheets. This material offers the benefits of high and low temperature resistance, excellent release characteristics and excellent compression set resistance. Other benefits associated with this material include extreme long life, gasket reliability and non-toxicity. CHR general-purpose silicone rubber is often the elastomer of choice for applications that involve high heat and pressure.

Typical Properties

Durometer (ASTM D2240) (Shore A)	50
Tensile Strength (ASTM D412) (psi)	700
Tear Strength (ASTM D624 Die B) (ppi)	70
Elongation (ASTM D412) (%)	350
Compression Set (%, 70 hours@302°F, ASTM 395, B)	15
Dielectric Strength (appr.) (volts/mil)	500
Thermal Conductivity (BTU, in./hr.ft. ² °F)	1.3
Temperature Range (°F)	-100 – +500
Color	Red, Black, Gray

Values shown are typical. Certified test reports for writing specifications are available.

Availability

COHRLastic 500 is manufactured in 36" x 36" molded sheets. Standard thicknesses include: 1/32", 1/16", 1/8", 3/16", 1/4", 3/8", 1/2".

Special order thickness available: 3/32", 5/16".

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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Application Advantages

- Capable of meeting ZZ-R-765, Class 2A and 2B Grade 50 / A-A-59588A Class 2A and 2B Grade 50.
- Capable of meeting specification AMS-3302.
- Long service life.
- Excellent thermal properties.
- Chemically inert, fungus resistant, ozone/UV resistant.

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