

CSL-504 Technical Data Sheet

Hi-Temp Silicone Rubber Gasket Material

1. PRODUCT NAME

CSL-504 Hi-Temp Silicone Rubber Gasket Material

- Air conditioner and humidifier gaskets
- Fireplace seals
- High temperature spacers

2. FEATURES

- Unaffected by extreme temperatures from -60°C to 315°C (-76°F to 600°F)
- Gasket will remain permanently flexible
- Provides excellent resistance to vibration and shock

4. COLORS

CSL-504 is available in black only.

5. PACKAGING

CSL-504 is available in 300ml (10.2 fl oz) caulking cartridges, 19L (5 US gallon) pails and 189L (50 US gallon) drums.

3. PRODUCT DESCRIPTION

CSL-504 is a one-part, moisture curing RTV (Room Temperature Vulcanizing) silicone rubber that cures to a tough rubber gasket. It is specifically formulated to be used as a formed-in-place gasket where operating temperatures up to 315°C (600°F) are maintained.

6. STORAGE

CSL-504 when stored in original unopened container at or below 32°C (90°F) has a one year shelf life from the date of manufacture. Most products however, will last longer if stored in cool dry conditions.

Typical applications include:

7. SAFETY PRECAUTIONS

CSL-504 releases small amounts of acetic acid during cure. Adequate ventilation should be provided with the extensive use of this sealant. On direct contact, uncured sealant may irritate eyes. Flush well with water and call a physician. See Material Safety Data Sheet available on this product.

- Water pump and compressor gaskets
- Appliance gaskets
- Ductwork gaskets
- Electrical insulation

Typical Properties

These values are not intended for use in preparing specifications

Uncured	
Type	100% silicone, one-part RTV
Appearance	Smooth, non-slump black paste
Specific Gravity	1.14
Slump/Sag	Nil
Extrusion Rate (3.2mm (1/8") orifice, 90psi)	150 g/min.
Application Temperature Range	-18°C to 50°C (0°F to 120°F)
Cure System	Acetoxy, Moisture Cure
Skin-Over Time at Standard Conditions*	10 min.
Cure Time at Standard Conditions*	24 hr.
Cured	
At Standard Conditions* for 7 Days	
Durometer Hardness (ASTM D2240, Shore A)	25 points
Tensile Strength (ASTM D412)	14.0 kg/cm ² (200 psi)
Elongation at Break (ASTM D412)	400%
Tear Resistance (ASTM D624, Die B)	4.0 kN/m (22 ppi)
Useable Temperature Range	-60°C to 315°C (-76°F to 600°F)
Shrink Factor	Nil

*Standard Conditions are 25°C (77°F) and 50% relative humidity

8. WARRANTY

CSL Silicones Inc. warrants that its products will meet its specifications. CSL shall in no event be liable for incidental or consequential damages. Except as expressly stipulated, CSL's liability, expressed or implied, is limited to the stated selling price of any defective goods.

Data is subject to change without notice and it is therefore recommended that this information not be used for specification writing. For additional information on specific applications, contact the manufacturer.

Head Office

144 Woodlawn Rd. W., Guelph, ON, Canada, N1H 1B5
Tel: 519-836-9044 Fax: 519-836-9069

Toronto Office

365 Evans Ave., Suite 304, Toronto, ON, Canada, M8Z 1B6
Tel: 416-255-1189 Fax: 416-255-1180
www.csilsilicones.com

© 2009 CSL Silicones Inc. All rights reserved.

Printed in Canada

CSL Silicones Inc.
Guelph, ON, Canada
N1H 1B5

Contact CSL Silicones Inc. Head Office for the distributor nearest you.