

CSL-513 Technical Data Sheet Self-Leveling Hi-Temp Silicone Rubber Gasket Material

1. PRODUCT NAME

CSL-513 Self-Leveling Hi-Temp Silicone Rubber Gasket Material

- Electric iron gaskets
- Encapsulation

2. FEATURES

- No tooling required
- Unaffected by temperatures up to 260° C (500°F)
- Gasket will remain permanently flexible
- Provides excellent resistance to vibration and shock

4. PACKAGING

CSL-513 is available in 300ml (10.2 fl oz) caulking cartridges.

5. STORAGE

CSL-513 when stored in original unopened container at or below 32°C (90°F) has a shelf life of 12 months from date of shipment.

3. PRODUCT DESCRIPTION

CSL-513 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 260°C (500°F) are maintained.

6. SAFETY PRECAUTIONS

CSL-513 releases small amounts of acetic acid during cure. Adequate ventilation should be provided with 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.

Typical applications include:

- Water pump and compressor gaskets
- Appliance gaskets
- Electrical insulation
- Air conditioner and humidifier gaskets

Typical Properties

These values are not intended for use in preparing specifications

Uncured	
Type	100% silicone, one-part RTV
Appearance	Smooth, thick liquid
Specific Gravity	1.04
Slump/Sag	Flowable
Extrusion Rate (3.2mm (1/8") orifice, 90psi)	N/A
Application Temperature Range	-18°C to 50°C (0°F to 120°F)
Cure System	Acetoxy, Moisture Cure
Skin-Over Time at Standard Conditions*	20 min.
Cure Time at Standard Conditions*	24 hr.
Cured	
At Standard Conditions* for 7 Days	
Durometer Hardness (ASTM D2240, Shore A)	22 points
Tensile Strength (ASTM D412)	4.6 kg/cm ² (65 psi)
Elongation at Break (ASTM D412)	200%
Tear Resistance (ASTM D624, Die B)	2.7 kN/m (15 psi)
Useable Temperature Range	-62°C to 232°C (-80°F to 450°F)
Shrink Factor	Nil

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

7. 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.