

CSL502A | Industrial Silicone Sealant



Benefits

- Durable, flexible, and unaffected by extreme temperatures
- Resists moisture, vibration, mechanical and thermal shock
- Easy to use and versatile



www.cslsilicones.com

Silicones for industrial assembly and maintenance

Silicone is almost universally used in today's manufacturing and production processes. Silicone is applicable to most trade sectors and can be made in varying colours and hardness. A unique synthetic elastomer, silicone offers professionals the options they need for creative and innovative design and engineering.

Why do silicones excel in industrial and transportation applications?

Silicone sealants possess inherent physical properties that make them an excellent choice for industrial and transportation assembly and maintenance applications; silicone sealants:

- have excellent thermal stability
- resist various chemicals and oil
- are resistant to humidity, moisture and contaminants
- absorb mechanical and thermal shock and vibration
- are water repellent
- have excellent electrical properties
- resist ultra-violet rays, ozone and weathering
- remain permanently flexible in extreme conditions
- are easy to use and repair

CSL502A 100% Silicone Industrial Sealant and Adhesive

CSL502A is a one-part, moisture curing, room-temperature vulcanizing 100% silicone sealant. It cures to a strong silicone rubber that maintains long term durability and flexibility.

CSL502A is approved by CFIA and USDA for use in meat and poultry plants.

CSL502A is recognized under the Components Program of Underwriters Laboratories Inc.®

CSL502A has excellent adhesion to glass, metal, porcelain, ceramic, wood, most plastics and many other non-porous substrates.

CSL502A resists aging, weathering and thermal cycling without hardening, shrinking or cracking.

CSL502A also provides excellent resistance to vibration, shock and severe weathering conditions.

... CSL502A Product Characteristics ↪

CSL502A | Industrial Silicone Sealant



Typical Applications

- Gaskets for junction box covers
- Adhering appliance trim and sealing appliance parts, attaching name plates, letters and signs
- Sealing joints in ductwork
- Sealing truck trailers, cabs, marine portholes and cabins

Features

- Recognized under the Components Program of Underwriters Laboratories Inc.®
- USDA and CFIA approved
- Superior adhesion and flexibility
- Replaces most cut gaskets
- Easy application
- Versatile sealant/adhesive



CSL Silicones Inc.
144 Woodlawn Rd. W.
Guelph, ON Canada N1H 1B5
+1 519.836.9044
+1 800.265.2753
www.cslsilicones.com

CSL502A Intended Uses

CSL502A is an excellent sealant and/or adhesive for many industrial applications where a long term, permanently flexible bond or seal is required.

CSL502A Typical Properties[‡]

Cure System	One part RTV/Acetoxy
Flowability	Non-flow
Extrusion Rate ¹ [g/min]	200
Cure Time at Standard Conditions ² [hours]	24
Tensile Strength ³ ASTM D412 [psi]	175
Hardness ³ ASTM D2240 [points]	20 Shore A
Elongation at Break ³ ASTM D412	400%
Tear Resistance ³ ASTM D624, Die B [ppi]	22

[‡]Data is subject to change without notice. These values are not intended for use in preparing specifications. For more complete information, please refer to the current Technical Data Sheets for these products.

NOTES

¹ Minimum extrusion rate @ 25°C (90psi, 3.2mm orifice)

² Standard Conditions are 25°C (77°F) and 50% relative humidity

³ Cured for 7 days at Standard Conditions²

CSL502A Availability

Colors[¥]



White

001



Clear

000

[¥]The color chips are only representations of actual colors and should not be considered an exact color match to finished product.

CSL502A is available in clear and white for quick delivery; additional standard colors include black and aluminum.

Complementary Formulations

Alternate viscosity formulations are also available.

Packaging

CSL502A is available in 300mL (10.2 fl. oz.) cartridges, 19L (5 US gallon) pails and 189L (50 US gallon) drums.

Shelf Life and Storage

CSL502A has a shelf life of twelve months from date of manufacture when stored in the original unopened container in dry, shaded conditions, away from sources of heat or ignition, and stored at or below 90°F (32°C).