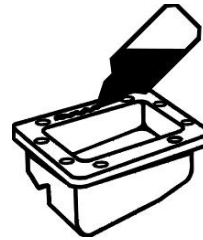


Cyberbond®

TS16949, ISO9001 & ISO14001 Certified

CYBERSIL® BLUE GASKET MAKER

TECHNICAL DATA SHEET



CYBERSIL BLUE is a heavy bodied, oxime-based moisture-curing silicone adhesive/sealant that is non-corrosive to aluminium, iron and steel. **CYBERSIL BLUE** can be used as a form-in-place gasket maker for applications such as Water Pumps, Rocker Covers, Transmission Housings and Timing Chain Covers. **CYBERSIL BLUE** provides increased oil resistance, good flexibility and will not harm computer/oxygen sensors.

Monomer Form (Liquid)	
Type	Oxime Silicone
Colour / Appearance	Blue Paste
Specific Gravity	1.38
Shelf Life @ 25°C (unopened)	12 months
Sag/Slump	Nil
Extrusion Rate	475 g/min
<i>Cure Characteristics- exposed to air, 25°C (77°F) and 50% relative humidity</i>	
Skin Over Time	6-10 minutes
Tack Free Time	35 minutes
Cure Time (3mm thickness)	24 hours

Polymer Form (Solid)	
<i>Cured Physicals – after 72 hours at 25°C (77°F) and 50% relative humidity</i>	
Shore "A"	28
Tensile Strength	14.76 kg/cm ² (210psi)
Elongation	500%
Service Temperature (cured)	
- Continuous	-62 to 204°C
- Intermittent	-62 to 260°C

Usage Data

Cybersil Blue has a work life (tooling time) of 6 to 10 minutes. The moisture content of the air at the time of application and during cure has a direct influence on the work life and speed of cure of the sealant.

Cybersil Blue can be applied at outdoor temperatures of -38°C provided that the surfaces are clean and free of frost. After cure it remains rubbery down to -62°C and will retain its properties after extended exposure up to 204°C (260° intermittently). Silicones used at extremely high

temperatures will continue to seal but may lose certain properties.

Application Limitations

1. **Cybersil Blue** is not recommended to seal fuel systems as this will result in swelling and loss of sealing ability.
2. **Cybersil Blue** should not be applied to areas that will be totally confined during cure as the sealant requires moisture to trigger its reactive curing mechanism.
3. **Cybersil Blue** is not recommended for use in submerged joints on porous surfaces or for joints exposed to water below the waterline in marine applications.
4. **Cybersil Blue** is not recommended for applications that will be painted nor should it be applied to surfaces with reflective or protective coatings.

Directions

1. Remove any previous gasketing materials from mating surfaces.
2. Clean surfaces with a residue free solvent such as Cyberbond 9999 Cleaner and Degreaser.
3. Slice off tip of cartridge above thread and attach extension nozzle which can be cut to desired bead width.
4. Apply a continuous bead of silicone to mating parts, making sure to surround all bolt holes.
5. Assemble parts and allow to cure. Material dries tack free within 30-40 minutes and fully cures in 24 hours.
6. After use allow excess sealant to extend beyond extension nozzle to cure. To reuse, remove the cured plug from tip of extension nozzle.

For safe handling information please see Safety Data Sheet (SDS).

Storage

Store in a cool dry place away from direct sunlight at or below 25°C. Storage in excessive heat or high humidity condition can significantly reduce the shelf life.

Packaging

Size	Part Number
416g Cartridge	CSBLU416

Note

The data contained herein is offered in good faith based upon information that is believed to be accurate and reliable, but no warranty, express or implied, regarding the accuracy of such information is made. The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. It is the responsibility of the user to determine the products suitability for their intended purpose.

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