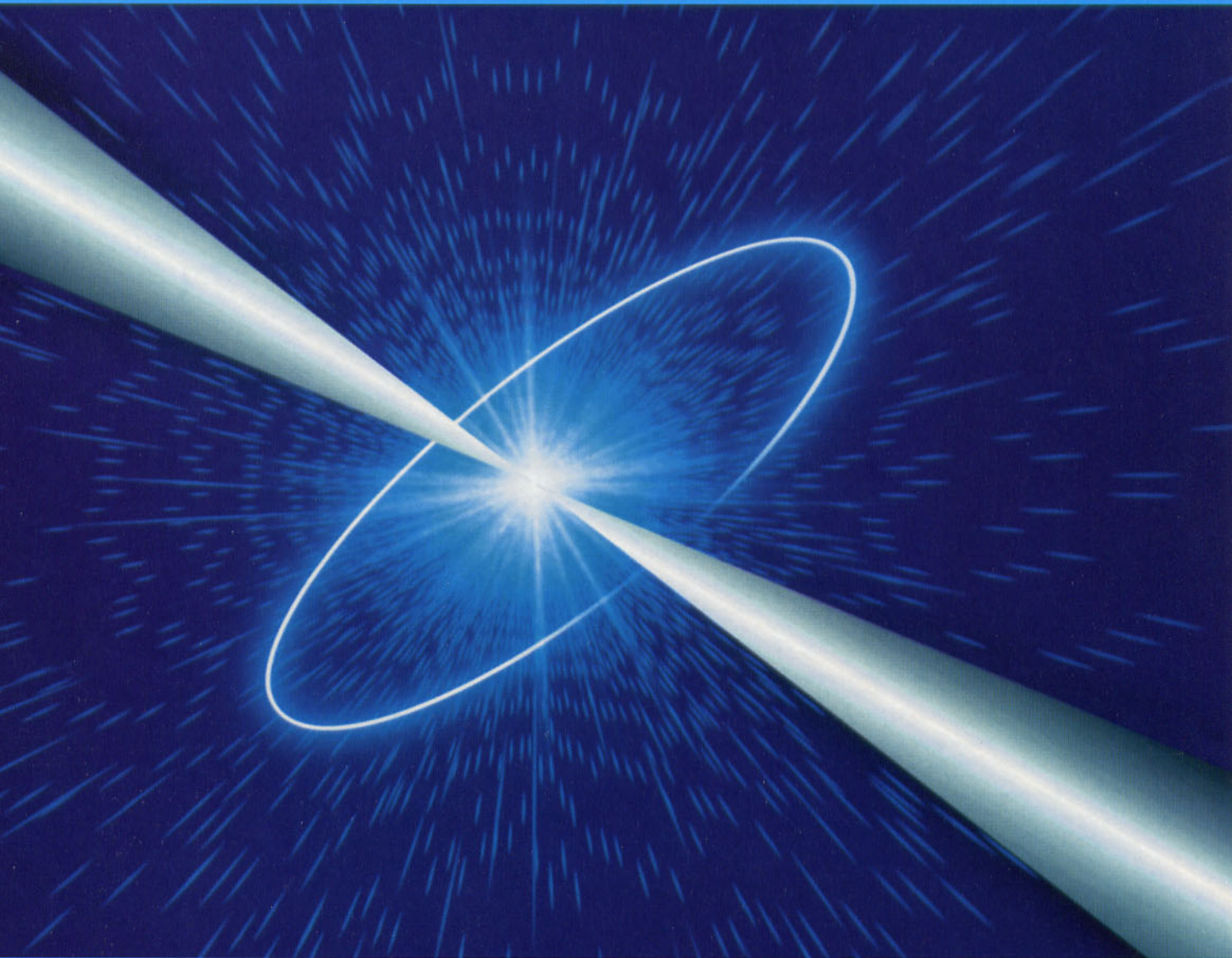


db
cyberbond



TITAN
ANAEROBIC ADHESIVES

| Titan Product Number | Viscosity cP | GAP FILL | Set Time Speed | Full Set Time | Color | Torque Break Away/ Prevaling (Free Swimming) | Temperature Range | |
|--------------------------------|--------------|----------|----------------|---------------|--------|--|-------------------|--------------|
| | | | | | | | °C | (°F) |
| Threadlocking Compounds | | | | | | | | |
| 7222 | 800-1200 | .006" | 10-20 min | 24 hr | Purple | 25-70/10-50 | -60 to 150 | (-76 to 302) |
| 7242 | 800-1200 | .006" | 10-20 min | 24 hr | Blue | 100-150/70-130 | -60 to 150 | (-76 to 302) |
| 7243 | 1200-2500 | .006" | 10-20 min | 24 hr | Blue | 130-150/100-125 | -60 to 150 | (-76 to 302) |
| 7271 | 400-600 | .005" | 10-20 min | 24 hr | Red | 175-300/200-350 | -60 to 150 | (-76 to 302) |
| 7262 | 1200-2000 | .010" | 10-20 min | 24 hr | Red | 150-250/150-300 | -60 to 150 | (-76 to 302) |
| 7280 | 2000-3000 | .012" | 10-20 min | 24 hr | Green | 250-350/300-450 | -60 to 204 | (-76 to 302) |
| 7277 | 6000-8000 | .015" | 10-20 min | 24 hr | Red | 200-300/170-300 | -60 to 204 | (-76 to 400) |
| Retaining Compounds | | | | | | | | |
| 7290 | 5-30 | .002" | 10-20 min | 24 hr | Green | 30-150/150-300 | -60 to 150 | (-76 to 302) |
| 7609 | 100-150 | .003 | 15-20 min | 24 hr | Green | 150-250/150-300 | -60 to 150 | (-76 to 302) |
| 7640 | 400-700 | .006" | 15-20 min | 24 hr | Green | 150-250/250-350 | -60 to 150 | (-76 to 464) |
| 7680 | 1200-1700 | .010" | 15-20 min | 24 hr | Green | 150-250/250-350 | -60 to 150 | (-76 to 302) |
| 7635 | 1500-2500 | .010" | 15-20 min | 24 hr | Green | 150-250/250-350 | -60 to 240 | (-76 to 302) |
| 7620 | 7000-10000 | .015" | 15-20 min | 24 hr | Green | 150-250/200-400 | -60 to 240 | (-76 to 464) |
| | | | | | | Pressure Resistance | | |
| 7518 | Thixotropic | .025" | 15-20 min | 8 hr | Red | 1000/3000 psi | -50 to 150 | (-58 to 302) |
| 7565 | Thixotropic | .025" | 30-45 min | 24 hr | White | 2000-3000 psi | -55 to 204 | (-65 to 400) |
| 7567 | Thixotropic | .025" | 30-60 min | 24 hr | White | up to 10,000 psi | -55 to 204 | (-65 to 400) |
| 7569 | 200-500 | .004" | 15-30 min | 24 hr | Brown | 1200-1500 psi | -50 to 150 | (-58 to 302) |

Cyberbond develops high performance, high technology adhesives for product assembly and other manufacturing operations. Dedicated to providing a beneficial choice to the adhesive marketplace, Cyberbond is focused on lowering risk while increasing profitability for our customers. As part of this commitment, Cyberbond proudly presents the TITAN line of anaerobic adhesives...

Cyberbond TITAN anaerobics were developed by an organization sensitive to the needs of customers and the demands of the adhesive marketplace. Cyberbond's intense customer focus has shaped the extensive TITAN product line and will continue to do so. Responding quickly to your unique applications is our strength. Cyberbond's solid technical and manufacturing resources ensure consistent results at an affordable price. Your needs come first at Cyberbond. We look forward to showing you improved anaerobic performance and lower anaerobic cost... this is the **TITAN ADVANTAGE**.

Cyberbond TITAN anaerobics are all single component products which cure in the absence of air by metal ions. When cured, Titan anaerobics polymerize to high molecular weight plastics. Our wide product range helps to ensure Titan anaerobics will meet the needs of most threadlocking, retaining and sealing applications.

Cyberbond... The Power of Adhesive Information SM

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| <p>Cyberbond TITAN 7222 is an anaerobic adhesive designed for low strength threadlocking applications where easy removal is required. Recommended Applications: Set screws, seals threads to prevent corrosion between the threads. Used to tamper-proof threaded fastener assemblies. Prevents loosening of fasteners when subjected to vibration. Used on 1/4" or smaller diameter screws.</p> |
| <p>Cyberbond TITAN 7242 is a medium strength, general purpose threadlocking adhesive. The unique thixotropic viscosity prevents the migration and runoff during use on 1/4" to 3/4" diameters where disassembly is possible with hand tools. Recommended Applications: Sealing of hydraulic and pneumatic fittings. Prevents vibrational loosening on construction equipment and manufacturing assemblies on nuts and bolts.</p> |
| <p>Cyberbond TITAN 7243 is a medium strength anaerobic adhesive with thixotropic properties. Titan 7243 has proprietary ingredients that allow rapid cure in the presence of oils or other contaminants. It's non-migrating formulation allows for reliable replacement of lockwashers and other mechanical fasteners.</p> |
| <p>Cyberbond TITAN 7271 is a high strength anaerobic threadlocking adhesive. Use on high breakloose torque specifications for locking and sealing threads. Recommended Applications: Used on automotive suspension bolts, mounting studs, and highload threadlocking assemblies. Used on stud diameters up to 1". Use of anaerobic adhesive prevents thread corrosion and offers excellent chemical resistance.</p> |
| <p>Cyberbond TITAN 7262 is a high strength threadlocking adhesive. The higher viscosity allows the user easier application control. The high thixotropic viscosity is excellent on larger diameter fasteners. Recommended Applications: Designed for use where maximum strength is needed due to extreme environmental exposures. Excellent performance on heavy equipment, railroad cars, earth loader bolts, and gap filling applications.</p> |
| <p>Cyberbond TITAN 7280 is high strength, high heat resistance, anaerobic threadlocker. TITAN 7280 has unparalleled torque strength and chemical resistance. It also has excellent heat resistance in all applications. Typical applications include transmission studs, valve seats, wheel mounting, studs for locomotives, plumbing fixtures and other fasteners where maximum strength is required.</p> |
| <p>Cyberbond TITAN 7277 is a high strength, high viscosity threadlocking anaerobic adhesive with high temperature resistance. The higher viscosity allows the user easier application control. This adhesive is excellent for 1" and larger diameter fasteners. Recommended Applications: Designed as a high strength, gap filling, thermally resistant sealant. Seals against high pressures in extreme service environments. Used in hydraulic press, locomotive, and large coarse threaded bolt applications.</p> |
| <p>Cyberbond TITAN 7290 is a high strength, low viscosity threadlocking adhesive. TITAN 7290 works on pre-assembled parts through capillary action. Recommended Applications: Designed for use with instrumentation set screws or calibration equipment where the fasteners need to be locked into place after calibration is completed. TITAN 7290 may also be used as a porosity sealant.</p> |
| <p>Cyberbond TITAN 7609 is a high strength, low viscosity, rapid setting anaerobic retaining compound used for augmenting press-fitted parts and slip-fitted assemblies. Recommended Applications: Used for locking gears, pulleys, and bearings onto shafts. Can also be used on lip seals, spindle bearings, bushings, keys, splines, and sleeves.</p> |
| <p>Cyberbond TITAN 7640 is high strength and high temperature for cylindrical retaining applications. Recommended Applications: Resists temperatures up to 240°C. Retains rotors to shafts. The medium viscosity allows for greater gap filling and may be used as a high strength threadlocking compound. Prevents loosening of fasteners when subjected to vibration.</p> |
| <p>Cyberbond TITAN 7680 is high strength and high viscosity for threadlocking and retaining cylindrical assemblies. Recommended Applications: Used to augment, shrink and press fit in demanding vibrational and high frictional applications. Excellent bonding versatility on worn housings and shafts to augment the installation of replacement bearings.</p> |
| <p>Cyberbond TITAN 7635 is a high strength anaerobic retaining adhesive for cylindrical joints. Typical applications include rotor to shafts in motors. This product can also lock bearings in place preventing spin out, augment press fits and lock bushings and sleeves in housings on shafts</p> |
| <p>Cyberbond TITAN 7620 is a high viscosity anaerobic adhesive designed for retaining cylindrical parts. The high viscosity allows for gap filling and non-migrating rheology for a controlled application. Recommended Applications: Used in high temperature applications up to 240°C. Retaining cylinder liners, heat exchange cylindrical parts, worn keyways, radiator pins, and worn sleeves into pump housings.</p> |
| <p>Cyberbond TITAN 7518 is an anaerobic liquid gasketing material suitable for such uses as transmissions, differential cases, and oil pans. TITAN 7518 cures in the absence of air and in contact with metal. After cure, TITAN 7518 has superior chemical resistance, comparable flexibility to silicone gasket, excellent adhesion to substrates, high temperature resistance and high bonding strength.</p> |
| <p>Cyberbond TITAN 7565 is a low strength pipe sealant. Recommended applications include sealing tapered pipe threads and fittings up to 5 cm (2 inches) for industrial applications in the chemical processing, petroleum refining, pulp/paper mills, waste treatment, textile, utilities power generation, marine, automotive and various other industries. The low strength facilitates ease of rework.</p> |
| <p>Cyberbond TITAN 7567 is a high performance gasketing pipe sealant material which provides high lubricity and sealing of all threaded metal substrates. TITAN 7567 is particularly effective on stainless steel, aluminum, and all other metal pipe threads and fittings.</p> |
| <p>Cyberbond TITAN 7569 is a high strength anaerobic sealant for hydraulic and pneumatic fittings up to 2" diameter. This product has excellent solvent resistance and withstands temperatures above 300°F (149°C). This product is designed for high performance in high pressure and high shock environments.</p> |

ASSOCIATED PRODUCTS

TITAN PRIMERS N and T are used as activators when surface energy is low or enhanced speed is required. By wiping **TITAN PRIMERS N and T** on your threads you will create surface energy, which will help speed your manufacturing processes.

Caution! Prior to use, read all precautions on product label and Material Safety Data Sheet.

PRODUCT SIZES AVAILABLE:

10 ml, 50 ml, 250 ml, 1 Liter, and 10 KG for Threadlocking and Retaining Compounds.
Gasketing products are available in 50 ml, 200 ml, 300 ml, and 850 ml.

CROSS REFERENCE LIST FOR ANAEROBIC ADHESIVES

| TITAN | Loctite |
|-------|---------|
| 7222 | 222 |
| 7242 | 242 |
| 7243 | 243 |
| 7271 | 271 |
| 7262 | 262 |
| 7277 | 277/272 |
| 7280 | N/A |
| 7290 | 290 |
| 7609 | 609 |
| 7635 | 635 |
| 7640 | 640 |
| 7680 | 680 |
| 7620 | 620 |
| 7518 | 515/518 |
| 7565 | 565 |
| 7567 | 567 |
| 7569 | 569 |

Other Cyberbond Products:

| PRODUCT | DESCRIPTION |
|--|---|
| APOLLO <i>(Cyanoacrylate Adhesives)</i> | Single component, cyanoacrylate adhesives for bonding to most metals, plastics, and rubber elastomers within seconds. |
| CYBERPOXY <i>(Epoxyes)</i> | Several epoxy formulations designed for a wide range of industrial applications. Products include two component, five minute, high strength, and clear structural adhesives. |
| CYBERCRYL <i>(Acrylics)</i> | Modified acrylic adhesives for bonding ferrites, metals, and plastics. A selection of bead on bead and resin activated formulations is available. |
| CYBERMIDE <i>(Polyamides)</i> | High and low temperature, versatile polyamide hot melts to meet demanding applications. Cybermide adhesives are available in many viscosities and softening points for improved wetting characteristics. |
| CYBERTHANE <i>(Polyurethanes)</i> | Structural polyurethane adhesives for bonding fiberglass reinforced plastics, sheet molded compounds, aluminum, and wood substrates. Cyberthane adhesives are available in one and two component formulations as well as hot melt forms. |
| CYBERMELT <i>(Hot Melts)</i> | High performance assembly and pressure sensitive hot melts in high and low tack formulations with flexible bond performance. |
| CYBERBORNE <i>(Dispersions & Solutions)</i> | Dispersions and solutions of reactive, elastomeric, or engineering polymers which are custom tailored for product assembly, woodworking, specialty laminating, and sealing applications. Cyberborne adhesives are characterized by high value added performance in unique applications where standard “off the shelf” catalogue types have proved to be inadequate. |
| CYBERLITE <i>(UV/Photoinitiating Curing Adhesives)</i> | Single component Light Curing adhesives available in both acrylic and epoxy formulations. These products, with special patented formulas, are also available in Medical Grades . |