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Technical Data Sheet Cylinlock[®] 843

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Product Description

Hernon[®] Cylinlock[®] 843 is a fast curing, high strength anaerobic adhesive yielding higher shear strengths with temperature resistance up to 300°F (149°C) It provides relatively quick cures, outstanding solvent resistance, and improved reliability for metal service applications. Flexible and good for use on Brass.

Certified to NSF/ANSI Standard 61 for use in commercial and residential potable water systems

Typical Applications

- Pipe fittings, threaded assemblies
- Bushings
- Pins, wheels, gears, pulleys

Typical Properties (Uncured)

Property	Value
Chemical Type	Methacrylate Ester
Appearance	Green fluorescent liquid
Fluorescence	Positive
Specific Gravity	1.09
Viscosity @ 25°C, cP	2000 - 3000
Flash Point	See MSDS

Typical Properties (Cured)

24 RT cure @ 22 °C

Property	Value
Fixture time, Brass Nuts/Bolts	1 – 2 minutes
Fixture time, Steel Nuts/Bolts	5 – 6 minutes
Shear Strength, Grit Blasted Steel	≥ 2000 psi
Shear Strength Steel Pin and Collars	≥ 2500 psi
Torque Strength 3/8 X 16 Steel	250-500 in-lb Break
Torque Strength 3/8 X 16 Steel	250-500 in-lb Prevail
Torque Strength 3/8 X 16 Brass	250-500 in-lb Break
Torque Strength 3/8 X 16 Brass	250-500 in-lb Prevail

Storage

Cylinlock[®] 843 should be stored in a cool, dry location in unopened containers at a temperature between 46°F to 82°F (8°C to 28°C) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

General Information

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

This product is not normally recommended for use on plastics. It is recommended to confirm compatibility of the product with such substrates.

Directions For Use

For best results, clean all surfaces with a Hernon[®] cleaning solvent Isopropyl Alcohol or acetone and allow to dry.

For Threaded Assemblies the adhesive should be applied to 2-5 threads and the nut screwed on over the adhesive. Allow sufficient time to cure (approx.1 hr). Wipe off excess sealant after nut is applied.

For Slip Fitted Assemblies, apply adhesive around the leading edge of the pin and the inside of the collar and use a rotating motion during assembly to ensure good coverage.

For Press Fitted Assemblies, apply adhesive thoroughly to both surfaces to be bonded and hold together with clamps.

Parts should not be disturbed until sufficient handling strength is achieved.

Disassembly and Cleanup

To aid in disassembly anaerobic compounds can be weakened by heating to at least 500°F (260°C). Once disassembled, cured adhesive can be removed with **Hernon[®] Gasket Remover 30**.

Dispensing Equipment

Hernon[®] offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon[®] Sales** for additional information.

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