For critical Oxygen Service Sealing Applications

BLUE MONSTER® Zero V.O.C.s OXY CLUTCH

OXY-CLUTCH PTFE Pipe Thread Sealant for Gaseous and Liquid Oxygen Service

Blue Monster OXY-CLUTCH is a specially-formulated thread sealant for high-pressure, pure oxygen piping systems.

This PTFE enriched pipe thread compound provides superior sealing characteristics, is inert, noncorrosive and nonflammable. It contains no silicone, hydrocarbons and no VOCs!

Every batch of OXY-CLUTCH is tested for Autoignition Temperature according to the stringent standard of ASTM G-72. A typical range is 824ºF to 860ºF (440ºC to 460ºC). Each container shows the Batch Number and Autoignition Temperature for traceability.

Technical Information

OXY-CLUTCH thread sealant is considered oxygen-compatible for its intended use with gaseous and liquid oxygen. This product exhibits an Autogeneous Ignition Temperature in excess of 800ºF (427ºC). Experience has shown that ignition and promoted combustion events for material exhibiting compatibility data properties in this range are unlikely, however, all application instructions must be followed.

Cat #	Size	Case Pack	Weight
70856	4 ounces / 113 grams	1	.5 lbs (.23 kg)

For Material Safety Data Sheets, contact Mill-Rose or download directly from the Mill-Rose Clean-Fit website.

WARNING: Can expose you to Perfluorooctanoic acid (PFOA), a carcinogen and reproductive toxicant. See www.P65Warnings.ca.gov.

REMEMBER, GASEOUS OXYGEN VIGOROUSLY ACCELERATES COMBUSTION OF MOST MATERIALS. Read all instructions carefully and ensure that training is received on the fire hazards of oxygen before using this product.

Features:

- PTFE thread sealant is specifically formulated for oxygen service
- Pressures: 2,600 PSI (180 BAR) for oxygen gas
- Sealing temperature: -320°F to 450°F (-196°C to 232°C)
- Each batch tested for Autoignition Temperature per ASTM G-72
- OXY-CLUTCH is inert, noncorrosive and nonflammable.
- Contains no silicone or hydrocarbons
- No V.O.C.s • Made in the USA

Instructions for Use:

- Obtain qualified instruction on controlling fire hazards in oxygen systems prior to handling or usage, such as ASTM Standards Technology Training course of “Fire Hazards In Oxygen Systems.”
- Ensure that all components are suitable for oxygen application prior to wetting any portion of the system with oxygen.
- Ensure all components are properly cleaned for oxygen, at the piece-part level, prior to application of this product and final assembly.
- Use this product with tapered thread fittings, such as National Pipe Threads (NPT), National Gas Threads (NGT), etc. DO NOT use this product with flared or o-ring sealed fittings.
- Use applicators that are NON-ORGANIC and NON-SHEDDING such as a brass or fiberglass bristle brush.
- DO NOT transfer the product from its original container to another container since the new container may add contaminants which could compromise the oxygen compatibility of the product.
- DO NOT apply this product liberally. Apply SPARINGLY.
- DO NOT apply this product on the first two threads of the male fitting. Application of this product on the first two threads of the male fitting can increase the likelihood of contamination and migration into the internal oxygen-wetted portions of the systems.
- DO NOT use this product above 2600 psi.

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