



EZY-TURN® #4 PLUS

MULTI-PURPOSE VALVE SEALANT

DESCRIPTION

EZY-TURN® #4 PLUS Gate Valve Sealant is ideal for applications requiring moisture & hydrocarbon resistance. It is pumpable to temperatures as low as -40°F (-40°C) when used with a high-pressure lubricator and with the softer consistency it is more easily pumped for hydraulic fracturing applications. It has very good hydrochloric acid resistance but also has additives to neutralize the harmful effects of hydrochloric acid in valves pulled from Frac service.

EZY-TURN® #4 PLUS is formulated using entirely polyester base fluids with wide temperature capability and contains molybdenum disulfide (MoS₂) and hydrogen sulfide (H₂S) inhibitors. The base fluids provide increased resistance to aliphatic hydrocarbons when compared to vegetable-based products while the enhanced thickener blend provides greater service resistance than our standard EZY TURN 4. The MoS₂ enhances sealing and lubrication by burnishing into scratches effectively renewing surfaces.

EZY-TURN® #4 PLUS is resistant to aliphatic hydrocarbons and lowers the torque necessary for smooth valve operation while protecting internal surfaces from scoring and galling. It has excellent water resistance but is not recommended highly alkaline service.

- All Polyester Based
- Contains MoS₂
- Nonhazardous
- Reduces Torque
- Reduces Corrosion
- Biodegradable
- Heat Resistant
- Pumpable
- Water Resistant

APPLICATIONS

EZY-TURN® #4 PLUS Valve Sealant is recommended for use in gate, ball and globe valve applications requiring aliphatic hydrocarbon and acid resistance or where high and low temperature extremes are encountered. Suitable for valves used in hydraulic fracturing.

SERVICE RATING

>-40° F (-40° C) to ≥450° F (232° C)
It can retain its consistency at 500°F (260°C) within a valve where oxygen contact is excluded.

RECOMMENDED CLEANUP

Jet-Lube® recommends using **EZY-OPEN™** or other safe oxygenated solvents for best clean up.

EZY-OPEN™ is a nontoxic, nonflammable, biodegradable

lubricant and cleaner specifically designed for valve cleaning applications.

PRODUCT CHARACTERISTICS

BULK PRODUCT

Appearance	Semi-Plastic
Color	Gray to Black
Thickener	Inorganic
Cone Penetration, mm X 10 ⁻¹ (ASTM D-217)	310 - 340
Specific Gravity	1.25
Density (lb/gal)	10.4 Typical
Dropping Point (ASTM D-2265)	None
Oil Separation, Wt % (ASTM D-6184)	1.0 Maximum
4-Ball Weld Point (ASTM D-2596)	620
Water Wash-out (ASTM D-1264)	<2%
Evaporative loss, 24 hr @ 150°C	<0.5%
pH Range	2 - 9
Corrosivity (Nace Std TM-01-69)	<5.66 mil/year
Oxidation Stability	<5 psi drop, 168 hrs.
Water Solubility	None

STICK PRODUCT

Appearance	Semi-Plastic
Color	Gray to Black
Thickener	Inorganic
Cone Penetration, mm x 10 ⁻¹ (ASTM D-217)	70 – 100
Oil Separation Wt. % (ASTM D-6184)	1.0 max.

Note: Not for use with oxygen for strong oxidizers such as hydrogen peroxide or sulfuric acid.

For package types and part numbers

www.jetlube.com/resources/product-index/

Limited Warranty

www.jetlube.com/assets/documents/Jet-Lube_Warranty.pdf

www.jetlube.com

Made in the USA in an ISO 9001:2015 and ISO 14001:2015 Facility