



# FJ21

## FRACJACK SANDGUARD

### PRODUCT DESCRIPTION

FJ21 FracJack SandGuard is a synthetic valve lubricant and sealant formulated with molybdenum disulfide and graphite to reduce friction for vigorous frac operations. The reduction of friction allows the valves to turn easily thereby extending their life and performance. FJ21 FracJack SandGuard services temperatures to >450°F (>232°C).

FJ21 FracJack SandGuard adheres to metal, assuring protection against rust and corrosion. FJ21 FracJack SandGuard is resistant to a variety of chemicals, including hydrogen sulfide, crude oil, hydrochloric acid, brine and water, as well as drilling muds. In addition, FJ21 FracJack SandGuard is waterproof and non-hardening.

### APPLICATION

Applications for FJ21 FracJack SandGuard are valve manufacturers, valve rebuilders and frac locations that require multi-stage greasing.

Additional applications include plug valves, gate valves, high-pressure valves, high-temperature valves, low-pressure valves, wellheads, ball valves, hand-operated valves, motor-operated valves, close tolerance valves and large bore valves.

Apply FJ21 FracJack SandGuard using a grease gun, hand-operated or air-operated lubricator.

### RELATED PRODUCTS

- FJ22 FracJack Valve Last
- FJ23 FracJack Graphite
- FJ24 FracJack Peanut Butter

### TYPICAL OBSERVATIONS

Color	Black
Appearance	Smooth
Odor	Mild
Density, lb/gal @ 77°F (25°C)	7.87
Specific Gravity, @ 77°F (25°C)	0.944
Dropping Point, ASTM D-2265	>400°F (>204°C)
Flash Point	440°F (226°C)
Penetration, ASTM D-92 worked @ 77°F (25°C)	330
NLGI Grade	1
Corrosion Preventive Properties, ASTM D-1743 @ 125°F (51°C)	Pass
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	3.0%
Oil Separation, ASTM D-1742 @ 210°F (98°C)	<5%
Temperature Range	10°F to >450°F (-12°C to >232°C)
Shelf Life (unopened container)	Three years

### BENEFITS

- Minimizes valve sanding
- Manufactured with moly and graphite
- Non-melting
- Rust, corrosion and oxidation preventive
- Resists hydrogen sulfide, crude oil, hydrochloric acid, brine, water and drilling muds
- Insoluble in water

- ▶ FRAC
- ▶ FLUSH
- ▶ ARCTIC
- ▶ STORAGE
- ▶ SEALANTS
- ▶ CLEANERS
- ▶ ASSEMBLY
- ▶ BALL VALVE LUBRICANTS
- ▶ GATE VALVE LUBRICANTS
- ▶ PLUG VALVE LUBRICANTS
- ▶ STICK PACKING



*Liquid-O-Ring*®\*

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Made in U.S.A. 08/17/23  
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