

Technical data

CU30

The logo for MOLYSLIP, featuring the brand name in a bold, italicized, sans-serif font with a registered trademark symbol, set against a red rectangular background.

Production Thread Compound

Description

MOLYSLIP CU30 is a high performance, lead and zinc free production thread compound that can replace API Modified for casing, tubing and line pipe applications. The product is based on highly refined low sulphur, low pour point mineral oil thickened with a soap matrix. The product contains both copper flake and graphite as solid lubricants coupled with high levels of corrosion inhibitors, anti-oxidant and anti-wear additives that make it particularly suitable for use under the most aggressive conditions in corrosive wet/humid, dirty or chemical environments where a high degree of water washout resistance is required.

MOLYSLIP CU30 has excellent lubricating and anti-wear properties to reduce friction during assembly preventing 'pick-up', galling and seizure facilitating easier breakout for routine maintenance. The product has been independently tested and proven to exceed the requirements of *API RP 5A3 / ISO 137678:2010

MOLYSLIP CU30 is effective over a wide temperature range and is specifically designed to prevent seizure of threaded connections on oilfield equipment such as casings and tubing etc. The specially formulated blend of additives provides enhanced adhesion to cold/wet tooling and a high resistance to wash off whilst being thermally stable making it suitable for use in applications where high temperatures are encountered.

**API RP 5A3/ISO13678:2010 – "Petroleum and natural gas industries-evaluation and testing of thread compounds for use with casing, tubing, line pipe and drill stem elements".*

Features and benefits

- Low sulphur content
- Brushable at low temperature (down to -18°C)
- Excellent load carrying and anti-wear properties
- Allows consistent joint make-up
- Highly effective protection against corrosion
- Outstanding resistance to water washout
- Can be applied to cold, damp equipment
- Effective over a wide temperature range (-20°C to +140°C)

Packaging

20kg

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Instructions for use

MOLYSLIP CU30 should be applied manually by brush to clean, degreased and dry (where possible) tool joint threads and shoulders.

For best results apply to both mating surfaces.

Technical data (typical values)

Property	Test method	Result
Appearance	-	Dark copper coloured paste
Worked penetration	IP50	310
NLGI classification	-	1
Drop point	IP132	>140°C
SG (kg/l)	-	1.2
Corrosion resistance (EMCOR)	IP220	0:0
Base oil viscosity	IP71	110cSt
Solids content	-	>20%
4-ball weld load	IP239	300kg
Friction factor	API Mod	1.0
Operating temperature range	-	-20°C to +140°C

Storage

Store MOLYSLIP CU30 out of direct sunlight.

Storage temperature should be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility. Issue date 06-19