

Technical data

# GC10

## Metal-Free Production Thread Compound

### Description

MOLYSLIP GC10 is a high performance, metal-free 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 a high percentage of graphite and other non-metallic 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 GC10 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 is formulated to meet and exceed the requirements of \*API RP 5A3 / ISO 137678:2010.

MOLYSLIP GC10 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".*

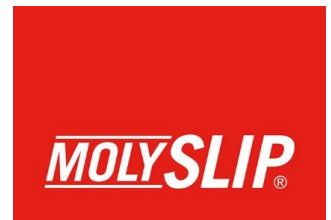
### Features and benefits

- 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

**Metalube Group Ltd**, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester, M44 5EG, UK

Tel: +44 (0)161 775 7771 enquiries@moly Slip.co.uk www.moly Slip.co.uk

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### Instructions for use

MOLYSLIP GC10 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.

### Storage

MOLYSLIP GC10 should be stored in original, unopened packaging, out of direct sunlight at temperatures between 5°C and 35°C. The most up to date shelf life information for Moly slip products can be found on the certificate of analysis issued at the time of manufacture.

### Packaging and product code

Code	Pack
M804520	20kg pail

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Property	Test method	Result
Appearance	-	Grey/black coloured paste
Worked penetration	IP50	310
NLGI classification	-	1
Drop point	IP396	>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
Service rating	-	-20°C to +140°C

Note: these values are typical only and do not constitute a specification

\*The Friction Factor is a 'relative' number, many operational variables such as pipe size, thread type/geometry, drilling muds and extraneous contamination, etc. affect the friction factor. In all instances experience and prior application knowledge should be used to adjust make-up torque accordingly. If in doubt, contact the drill pipe manufacturer for torque and friction- related specifications.

#### Limited warranty information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store our products in accordance with the information contained in this technical sheet.

Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

To the fullest extent permitted by applicable law, Metalube Group specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Metalube Group disclaims liability for any incidental or consequential damages.

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