

Graphol GFL 5000

A High performance Graphite Based Die Lubricant for Hot & Warm Forging/Extrusion

Benefits :

- **GFL 5000** is water based, odorless and provides safe and comfortable working environment.
- Smokeless and does not emit toxic fumes.
- It has chosen additives to reduce wear and tools corrosion.
- Extends die life. Non-toxic in nature.
- Evenly spreads on metal surface with high area coverage.
- Good high temperature stability and shear resistance.
- Excellent releasing does not leave scratches or stain on the forged component.
- Highly Economical.

Applications :

- Hot and Warm forging, Steel, Aluminum Copper Alloys and extrusion of these.
- Push Bench and Piercing Areas in Steel Pipe making.
- Backward extrusion of steel in vertical presses.

| Characteristics | Test Method | Unit | Graphol 5000 |
|-------------------------|-------------|------|---------------|
| Appearance | Visual | – | Smooth Liquid |
| Color | Visual | – | Black |
| Specific Gravity @ 15°C | *CTM | – | 1.3 ± 0.1 |
| Flash Point | ASTM D-92 | °C | None |
| Fire Point | ASTM D-92 | °C | None |
| pH Value | *CTM | – | 7.5 – 9.0 |

*CTM= Corporate Test Method

Guidelines :

- Normal recommended dilution ratio with water is **1:10**. This may be altered depending on the intricacy of the extrusion/forging.
- Spray gun is most suitable for application.
- Product concentrate in the container shall be thoroughly stirred before dilution and preferably during operational use to avoid settling of solids, suggestively with low rpm propellers or other suitable modes.

Note: Suitable Dual Action Hand Spray Guns can be supplied on request.

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice
This supersedes our previously issued data sheets.

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