

Graphol GFL 1600

*Water based colloidal dispersion of synergistic solid lubricants
for warm and cold forging applications*



DESCRIPTION

- Graphol GFL 1600 is a high performance cold forging lubricant with an ultrafine graphite & Molybdenum.
- Product Suitable for temperatures up to 700°C. Best in class performance provides efficient die wetting and good die life.

YOUR BENEFITS

- Very low coefficient of friction.
- Extended Die Life.
- Good release and lubricity.
- High Load carrying properties.
- Sustains extreme amounts of heat of defatation.
- Excellent coverage of tools over a wide range of temperature.
- Nonflammable & Non Corrosion protection.
- No Sedimentation, Stability of concentrate during storage.

APPLICATION

- Cold and warm Forgings.
- Extrusion, cold and warm forging of carbon steel.
- Orbital forging.
- Tube & Wire Drawing, Cold Heading.

METHOD OF APPLICATIONS:

- Pre-coating.
- Brushing.
- Dipping in bath.
- Suitable for Hot Dip Bath after phosphating.

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RECOMMENDED DILUTION RATIO:

- The recommended dilution ratio depends on the difficulty of job and the cooling equipment. For Initial trial ratio of one part product to ten parts water (1:1) by volume.

CHARACTERISTICS	TEST METHOD	UNIT	TECHNICAL VALUES
Appearance	CTM 162	–	Smooth
Color	CTM 162	–	Greyish Black
Solid lubricant	–	–	Graphite & MoS ₂
Carrier/diluent	–	–	Water
Density @29.5°C	CTM 069	gms/ml	1.15 – 1.25
pH Value	ASTM D 1287	–	10 – 12
Solid Content (120°C for 2 Hrs)	CTM 033	%	27 - 31
Particle Size of Graphite	–	microns	5 - 6

INDUSTRY:

Forging

PACK SIZE:

20 kg / 50 kg / 200 kg

SHELF LIFE:

12 Months

*CTM: - Corporate Test Method

The values quoted above are typical and do not constitute a specification.

Marginal variation in shade can be expected from batch to batch. The color has no effect on the lubricating properties of the product. 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.

Information and data given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of a product for a particular use is beyond our control; all risks of use of the product are assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE.

