

THERMEX GO 4820

Graphited Oil - Hot Forging Release Agent - Plunger Lubricant

DESCRIPTION

THERMEX GO 4820 is a lubricant/release-agent based on fine particles size graphite dispersed in mineral oil.

APPLICATIONS

THERMEX GO 4820 is a highly stable dispersion of pure ultra-fine graphite in mineral oil designed to be used undiluted for severe operations such as:

- Hot forging operations with copper alloys (mainly brass) on presses or steel alloys on hammers

- High pressure die casting operations for plunger lubrication

THERMEX GO 4820 forms a thin film on the dies or plungers with superior release and lubricating properties, which provides a good metal flow during deformation at high temperatures: no residual film is left on the die.

The product is protected against settling out.

RECOMMENDATION FOR USE

THERMEX GO 4820 is used neat as supplied or diluted with mineral oil.

TYPICAL PHYSICAL PROPERTIES

<i>Appearance</i>	<i>Black liquid</i>
<i>Specific gravity @ 20°C</i>	<i>0.90</i>
<i>Flash point</i>	<i>>230</i>
<i>Solid Lubricant</i>	<i>Graphite</i>
<i>Viscosity BK-20°C (S05-20rpm) mPa s</i>	<i>950-1150</i>
<i>Viscosity @ 40°C</i>	<i>220 cSt.</i>

BENEFITS

- o Reduces costs - low graphite content reduces cleaning of parts,
- o Reduces costs - excellent lubricity, reduces scrap, promotes long die life.
- o Reduces staining - compatible with yellow metals.
- o Extended piston and container life

ADDITIONAL PRODUCT DATA

Most graphite dispersions should be stirred in use to ensure even dispersion of the graphite.

RELATED PRODUCTS

Houghton specialises in products and services for Heat Treatment, Machining and Grinding, Cleaning, and Fire Resistant Hydraulic Fluids and Industrial Lubricants. For more information, please contact your local Houghton representative.

STORAGE

Please refer to section 7 of Safety Data Sheets for handling and storage information, including product shelf life. Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is usually between 5°C and 40°C unless otherwise specified. Use stock in delivery rotation.

HEALTH AND SAFETY

Safety data sheets are available in accordance with Regulations (EC) No 1907/2006 Annex II and (EC) No 1272/2008.

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