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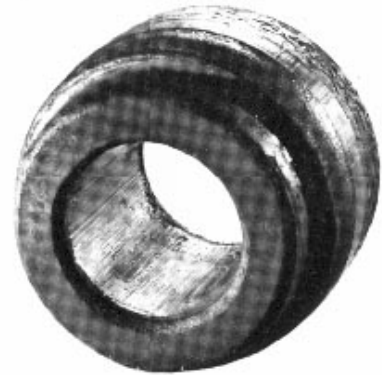
Deltaforge™ 1001

Synthetic Water-Based Die Lubricant

DESCRIPTION

Deltaforge 1001 is a non-graphited, water-based, die lubricant designed especially for warm and hot forging ferrous metals on presses and hammers. It is based on a unique synthetic short chain polymer which forms an excellent lubricating film on the die. Such optimum lubrication allows good metal movement and superior release properties.

Graphite-free Deltaforge 1001 was used to forge this difficult no-draft hub. Deltaforge 1001 provided effective release and lubrication while keeping the shop environment clean and eliminating any possible build-up in the die cavity.



Unparalleled in cleanliness, **Deltaforge 1001** allows higher dilution ratios than other conventional graphite-free products and provides effective lubrication at die temperatures up to and exceeding 750°F (399°C).

ADVANTAGES

- Odorless, nontoxic, smokeless
- No settling after dilution
- Cannot be damaged by freezing
- Eliminates buildup on the tooling and presses
- Does not cause corrosion
- Produces clean, finished parts
- Easily spray applied

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TYPICAL PROPERTIES

- Lubricant : soluble synthetic
- Carrier/diluent : water
- Consistency : blue creamy liquid
- Density : 9.1 lb/gal
- Freezing point : 28°F (-2°C)
- Shelf life : 6 months under original seal

APPLICATION DETAILS

Dilution

To ensure proper mixing, **Deltaforge 1001** should be premixed with an equal volume of water, while under high speed mixing. Using gentle agitation, the balance of the water can then be added until the desired dilution ratio is reached. Once properly diluted, this product requires no further agitation.

For initial evaluation, a ratio of one part product to five parts water by volume is recommended. During actual production, higher dilution is common and will vary according to job complexity.

Application

Spray application is recommended, however, product can be successfully swab applied. Manual and automatic spray systems especially designed for application of die lubricants are available from Acheson Colloids Company under the Dag® Lubriplate name. Please contact Acheson Colloids Company for more information.

APPLICATION ASSISTANCE

Acheson's **Application Specialists** are available to assist you in production start-up with **Deltaforge 1001**. For more information, please contact Acheson Colloids Company, (800) 255-1908, fax (810) 984-1446, web.mail@nstarch.com, or visit our website at www.achesonindustries.com.

HEALTH & SAFETY

Harmful if swallowed, inhaled, or absorbed through skin. May cause eye irritation. Wash thoroughly after handling. Keep away from heat, sparks, or flame. Keep container tightly closed when not in use. Use with adequate ventilation. Avoid breathing vapor. Empty containers may retain hazardous properties. Follow all MSDS/label warnings even after container is emptied.

STORAGE/SHIPPING HANDLING

Always tightly reseal the container to prevent evaporation or contamination. See Acheson Material Safety Data Sheet for current safety and first aid instructions.

NOTE

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