

PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.



DuraLife EAL-2

Environmentally Acceptable Lubricant Grease

DESCRIPTION:

DuraLife EAL is a premium, state-of-the-art, multipurpose calcium sulfonate complex grease thickening a blend of synthetic oils selected to provide the level of biodegradation required to meet the Norwegian “Yellow” and the combined UK and Netherlands “E” categories. These are the most safe environmental ratings for a lubricating grease. The non-plating, organic EP/anti-wear additives allow **DuraLife EAL** to be used where tolerances are low and/or speeds are high.

DuraLife EAL also contains polymer additives, further enhancing the inherent water resistance of a calcium complex- based grease. **DuraLife EAL** is extremely resistant to rust and corrosion and is ideally suited for use in high-moisture areas, including subsea applications.

- Operating Range from -10°F (-23°C) to 450°F (232°C)
- Superior rust and corrosion protection for maximum service life under harsh conditions
- Polymer additives for extreme water resistance
- Biodegradable
- Exceeds Military specification MIL-G-18458B-SH

APPLICATION:

Specially formulated and developed for subsea or other conditions where extreme water resistance is necessary. Highly developed additive package makes **DuraLife EAL** the premier, multipurpose grease for hostile environments. Ideal for certain RISER, WASH PIPE, and other proprietary connection designs.

PROPERTIES:

	Test Method	DL EAL-2
Color		Pale Red
Thickener Type		Calcium Complex
Fluid Type		Synthetic & Vegetable
NLGI Grade	ASTM D4950	2
Dropping Point	ASTM D566	>260°C (500°F)
Cone Penetration @ 25 °C (77 °F) Unworked	ASTM D217	265 – 295 dmm
Specific Gravity @ 25 °C	ASTM D1298	0.96
Density @77 °F	ASTM D1298	8.0 lbs/gallon
Flash Point	ASTM D92	>221°C (>430°F)
Autoignition Temperature	ASTM E659	>260°C (>500°F)
Copper Strip Corrosion	ASTM D4048	1A
Oxidation Stability by OPV, 100 hrs	ASTM D942	<5.0 psi drop
Four-Ball Wear	ASTM D2266	0.7 mm

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