

ROYCO[®] 43

PNEUMATIC SYSTEMS GREASE

Description

ROYCO 43 is lithium soap thickened synthetic oil based grease developed for the demands of modern industrial, aerospace and marine applications. **ROYCO 43** is compounded with state of the art additive technology to enhance oxidation resistance, rust and corrosion protection, as well as lubricity at extreme low temperatures.

Applications

ROYCO 43 is recommended for use as a lubricant or sealing aid between elastomer and metal contact. It may be used in pneumatic systems, pressurized aircraft bulkhead grommets, and any other mechanisms requiring rubber to metal lubrication.

NOTE: Use with natural rubber elastomers is not recommended. Materials should be evaluated for compatibility before use

Features and Benefits

Specially selected synthetic esters provide enhanced oxidation resistance, and excellent lubricity at low temperature.

Approvals and Specifications

ROYCO 43 meets the requirements and is qualified to the latest revision level of **SAE-AMS-G-4343**, which supersedes MIL-SPEC: **MIL-G- 4343**. NATO Code G-392.

Typical Properties

| PROPERTIES | METHOD | SPECIFICATION | TYPICAL |
|---|------------|---------------|---------|
| Worked Penetration, mm | ASTM D217 | 260 min | 283 |
| Dropping Point, °F | ASTM D2265 | 325 min | 399 |
| Evaporation, 210°F, 22 hours, % weight loss | ASTM D2595 | 2.5 max | 0.77 |
| Oil Separation, 100°C, 30 hours, % | FTM 321 | 5.0 max | 2.44 |
| Bomb Oxidation, 210°F, 100 hr, pressure change, psi | ASTM D942A | 5.0 max | 1.22 |
| Copper Corrosion, ASTM color change | FTM 5309 | none | 1b |

Packaging

ROYCO 43 is available in 6.5 pound tins, and 35 pound pails.

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