

ROYCO® HF-825 SYNTHETIC ASSEMBLY FLUID AND O-RING LUBRICANT

ROYCO® HF-825 is a concentrated solution of a methacrylate-polymer (ACRYLOIDTM) in synthetic diester based oil, which provides lubricity, and at the same time, a “tacky” film. ROYCO® HF-825 is ashless so it will not cause deposits or coke formation in the oil, wetted sections of engines or hydraulic systems.

APPLICATIONS

ROYCO® HF-825 is used as an assembly aid to “stick-hold” parts together in multi-component mechanisms such as gearboxes, pumps, and engine accessories. ROYCO® HF-825 is also used to “wet out” or lubricate O-rings prior to pressing them into cavities thus preventing chafing or tearing of the O-ring surface. Because ROYCO® HF-825 is commonly used as a viscosity index improver in many lubricating oils, there is no cause for compatibility concerns when used in contact with the oil-wetted areas of the lube system.

FEATURES AND BENEFITS

Features

- **Contains a methacrylate polymer**

Benefits

- **No ash, deposit or coke formation**
- **Applicable as an assembly aid in a wide variety of wetted sections**

APPROVALS & SPECIFICATIONS

ROYCO® HF-825 is currently used or approved by major airframe and engine manufacturers and is qualified to part numbers by GE, Pratt and Whitney, Rolls-Royce Allison, among others.



PACKAGING

ROYCO® HF-825 is available in 24 x 1.75 lb cases.

Other package sizes may be available on special request

PROPERTIES	TEST METHOD	ROYCO® HF-825
Kinematic Viscosity, cSt		
@ 100°C	ASTM D445	329
@ 100°F	ASTM D445	2,468
Flash Point, °C	ASTM D92	203
Fire Point, °C	ASTM D92	222
Specific Gravity, 60°F/60°F	ASTM D1298A	0.912
Density, pounds per gallon		7.60
API gravity	ASTM D287	23.6
Acid number, mg KOH/g	ASTM D664	0.2



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North America

+1.800.325.6252
customer.care@chemtura.com

Europe, Middle East & Africa

+44.161.875.3800
emea.export@chemtura.com

South & Central America

+55.19.3522.5000
Atendimento.cliente@chemtura.com

Asia Pacific

+86.21.3866.6509
orders.apac@chemtura.com

