

ANDEROL PRODUCT DATA SHEET

ROYCO® HF-825

ACRYLOID SYNTHETIC ASSEMBLY FLUID AND O-RING LUBRICANT

GENERAL INFORMATION

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

TYPICAL PROPERTIES:

PROPERTIES	ROYCO HF-825
Kinematic Viscosity, cSt*	
@ 100oF	2900
@ 210°F	350
Viscosity, SUS*	
@ 100°F	12,490
@ 210°F	1610
Flash Point*, °F (°C)	420 (215)
Fire Point*, °F (°C)	475 (246)
Specific Gravity, gm/cc. 60°F/60°F	0.969
Total Acid Number, mq KOH/gm	0.10
* Diluted 3:1 with Plexol 201	

ROYCO HF-825

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For more information please refer to the relevant Material Safety Data Sheet accompanying each product.

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

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