



Krytox™ GPL 155 and GPL 255

Performance Lubricants

Fluorescing Oil and Grease

Product Information

Krytox™ GPL 155 oil and GPL 255 grease are special products with fluorescing agents in them to allow the use of a black light to determine the uniformity of an application. They are not intended for routine application as lubricants without qualification testing. The fluorescing additive is present at low levels, but its effect on lubrication performance has not been tested.

Under ultraviolet light, the products give off a yellowish-green color that is visible to the unaided eye. The only equipment necessary is a standard broad spectrum ultraviolet lamp, commonly known as a "black light." Lamps that emit long wave ultraviolet light in the 365 nm range are available from almost any industrial supply company.

The fluorescing agent is suspended in the Krytox™ GPL 155 because of the addition of our Krytox™ 157 FS surfactant to the oil. The Krytox™ 157 FS is acidic, and its effect on various materials is unknown. The grease matrix of the Krytox™ GPL 255 holds the fluorescing agent in place without the use of surfactants.

Typical Properties*

Krytox™ GPL 155 Oil	
Base Oil Viscosity, cSt	550
20 °C (68 °F)	160
40 °C (104 °F)	18
100 °C (212 °F)	
Appearance	Cloudy Dispersion
Krytox™ GPL 255 Grease	
Standard NLGI Grade	#2 Penetration (265–295)
Appearance	White, Buttery

*These values are typical properties and not product specifications.

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For product information, industry applications, technical assistance, or global distributor contacts, visit krytox.com or within the U.S. and Canada, call 1-844-773-CHEM/2436 or outside of the U.S., call 1-302-773-1000.

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