



Performance Filtration - 1440 S Hwy 121 Ste 4 Lewisville, TX 75067  
(800) 866-2959 (f) 972-436-1932

**Performance Filtration**

1440 Hwy 121 Ste 4  
Lewisville, TX 75067  
800-866-2959 or 972-434-2959  
972-436-1932 (fax)

**Synthetic Refrigeration  
Polyglycol Insoluble (PGI)**

**Product Information - MSDS Data Sheet**

**SYNTHETIC REFRIGERATION COMPRESSOR LUBRICANT**

**Polyglycol Insoluble (PGI)** synthetic lubricants were designed for use in the compression of propane in refrigeration or unloading service. Available in three grades for rotary screw and reciprocating compressors, PGI is especially suitable for wet gas situations. Due to the varying make-up of gases and operating temperatures, please contact us for specific product recommendations.

Product Part# PGI-		68	100	150
<b>PFI Part #</b>	<b>Test Method</b>	<b>3593</b>	<b>3595</b>	<b>3597</b>
<b>ISO Grade</b>	ASTM D2422	68	100	150
<b>Viscosity:</b>				
<b>Cst @ 40°C</b>	ASTM D445	55.5	102.0	123.0
<b>Cst @ 100°C</b>	ASTM D445	10.70	18.00	21.30
<b>SUS @ 100°F</b>	ASTM D445	281	519	626
<b>SUS @ 210°F</b>	ASTM D445	62.8	92.2	106.0
<b>Viscosity Index</b>	ASTM D2270	187	195	200
<b>Pour Point °F (°C)</b>	ASTM D97	-35 (-37)	-30 (-34)	-25 (-32)
<b>Density, g/ml</b>	<b>60°F</b>	.992	.996	1.000
	<b>100°F</b>	.954	.958	.961
<b>Flash Point °F (°C)</b>	ASTM D92	460 (238)	445 (229)	460 (238)

**Thermal Characteristics:**

**Specific Heat**

Cal/g-°C  
60°C=0.48  
80°C=0.49  
100°C=0.51

**Thermal Conductivity**

BTU/Hr/(Ft\*°F)  
100°F=0.095  
200°F=0.090

The information contained in this document is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability.