

TECHNICAL DATA SHEET

Barrier PEG

PEG Barrier Fluid · 225 Series

Barrier PEG is a polyethylene-glycol (PEG) based barrier fluid. These base stocks ensure optimum performance and stability even at extremely high temperatures.

Barrier PEG offers superior lubricity and excellent thermal and oxidative stability.

Barrier PEG is compatible with all PEG-based compressor lubricants, making it an ideal choice for gas processing applications where interaction with PEG-based gas compression lubricants is possible.



APPLICATIONS

- Buffer / barrier fluid for mechanical seals

BENEFITS

- Compatible with PEG-based gas compression and processing lubricants
- Not compatible with mineral and PAO gas processing lubricants
- Superior thermal stability
- Excellent oxidative stability
- Extremely pure formulation — no impurities or additives that could poison catalysts
- Excellent wear protection
- Superior low-temperature properties
- Excellent thermal transfer properties
- Very low volatility

TECHNICAL SPECIFICATIONS

Typical properties

ISO Viscosity Grade	25
Viscosity @ 40 °C (cSt)	22
Viscosity @ 100 °C (cSt)	4.3
Viscosity Index	100
Density @ 15 °C (g/cm³)	1.13
Pour Point (°C)	<-50
Flash Point (°C)	179
Colour (ASTM D1500)	0.5

NOTE

Values in this Technical Data Sheet are typical and do not constitute a specification. Manufacturing specifications are available on request. Consult a NEXT Lubricants representative for operation below the pour point of the fluid. Routine fluid analysis is recommended to assess the in-service condition of the fluid. Specifications are subject to change due to formulation or raw-material updates; always verify that this TDS is the most current version.