

TECHNICAL DATA SHEET

Barrier PAG

PAG Barrier Fluid · 187 Series

Barrier PAG is a barrier fluid formulated with advanced polyalkylene-glycol (PAG) base stocks that ensure optimum performance and stability even at extremely high temperatures.

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

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



APPLICATIONS

- Buffer / barrier fluid for mechanical seals

BENEFITS

- Compatible with PAG- and ester-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

	Barrier 10PAG	Barrier 20PAG	Barrier 32PAG	Barrier 46PAG
Viscosity @ -40 °C (cSt)	1,439	4,228	7,281	9,003
Viscosity @ -20 °C (cSt)	226	599	973	1,284
Viscosity @ 0 °C (cSt)	61.9	137	227	308
Viscosity @ 40 °C (cSt)	12.0	22.0	34.0	46.0
Viscosity @ 100 °C (cSt)	3.20	5.00	7.10	9.30
Pour Point (°C)	-48	-43	-42	-41
Flash Point (°C)	200	200	208	222
Density @ 15 °C (g/cm³)	0.99	0.99	0.99	0.99

OPERATING TEMPERATURE RANGE

	Barrier 10PAG	Barrier 20PAG	Barrier 32PAG	Barrier 46PAG
Pumpability limit, °C (at 300 cSt)	-20	-10	0	5
Minimum process temperature (°C)	-5	5	15	20
Maximum process temperature (°C)	200	260	280	280

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.