

# PARAFILM®

## Compressor, Pump and General Plant Lubricant



*Beyond Synthetic™*

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Parafilm® is recommended for use in air compressors, pumps, turbines, bearings and general plant equipment where premium performance is desired but the use of a fully synthetic oil is not a viable option.

Parafilm® is a high film strength, para-synthetic lubricant that offers Royal Purple's renown performance advantages in an economical mineral / synthetic oil blend. Parafilm® rapidly separates from water, extends oil drain intervals, keeps equipment clean and provides excellent protection against rust and corrosion.

#### Synerlec® additive technology makes the difference!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synerlec® additive technology that gives its lubricants their amazing performance advantages. Synerlec® additive technology truly is *beyond synthetic*.™

Synerlec® additive technology forms a tough, slippery, synthetic film on all metal surfaces. This proprietary film significantly improves lubrication: first, by increasing the oil film's thickness, and second, by increasing the oil film's toughness, both of which help to prevent metal-to-metal contact. It displaces moisture from metal surfaces and protects all metals against rust and corrosion. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

### *Performance Advantages:*

- **High Film Strength**  
Parafilm® protects bearings far beyond the ability of other compressor and pump oils, carrying up to 700 percent greater loads.
- **Rapidly Separates from Water**  
Parafilm® rapidly and completely separates from water, which is easily drained from the bottom of the oil reservoir.
- **Saves Energy**  
Parafilm® reduces friction and saves energy over conventional oils.
- **Reduces Bearing Vibrations**  
The tough oil film of Parafilm® coupled with its ability to micro-polish contacting bearing elements provides superior bearing lubrication.
- **Longer Oil Life**  
Parafilm® has outstanding oxidation stability that greatly extends oil change intervals while keeping equipment clean.
- **Excellent Corrosion Protection**  
Parafilm® has a tough oil film that forms an ionic bond on metal surfaces, which acts as a preservative oil during shut-down and provides instant lubrication upon startup.
- **Synthetic Solvency**  
Parafilm® has a natural solvency that cleans equipment and keeps it clean.
- **Compatible with Seals**  
Parafilm® has excellent seal compatibility.
- **Compatible with Other Oils**  
Parafilm® is compatible and can be mixed with mineral oils and most synthetic oils. (Not compatible with silicone or glycol synthetics.)
- **Environmentally Responsible**  
Parafilm® components are TSCA listed and meet EPA, RCRA and OSHA requirements. Parafilm® extends oil drain intervals, eliminates premature oil changes, decreases the amount of oil purchased and disposed of and conserves energy.

Typical Properties*	ISO Grade			
	32	46	68	100
AGMA Grade	—	1	2	3
Viscosity				
cSt @ 40°C	32	46	68	100
cSt @ 100°C	5.7	7.3	9.3	12.3
SSU @ 100°F	165	236	351	518
SSU @ 210°F	46	51	58	69
Viscosity Index	120	120	115	115
Flash °F	385	405	435	460
Fire °F	435	455	480	515
Pour Point °F	-35	-25	-20	-20
D-1401 Demulsibility	40/40/0/20	40/40/0/20	40/40/0/20	40/40/0/20
D-892 Foam Tendency	Nil	Nil	Nil	Nil
D-130 Copper Corrosion				
3 hrs. @ 210°F	1a	1a	1a	1a
24 hrs. @ 210°F	1a	1a	1a	1a
D-665 Rust Test				
Fresh Water	Pass	Pass	Pass	Pass
Salt Water	Pass	Pass	Pass	Pass
D-2783 4-Ball E.P. Test				
Weld Load, kg.	315	315	315	315
D-2266 4-Ball Wear Test				
20 kg.	0.58	0.58	0.57	0.57
40 kg.	0.69	0.69	0.68	0.68

\*Properties are typical and may vary

Note: Parafilm's solvency cleans wear metals and deposits left behind by previous oils. These wear metals and deposits can become soluble in the new oil, causing abnormally high values on used oil analysis until equipment is clean.