

## ELM® 80W90 Multi-Purpose Biodegradable – Biobased Gear Lubricant

Category : Fluid , Lubricant

### Material Notes:

**Description:** ELM 80W90 Multi-Purpose Gear Lubricant is a premium quality biodegradable gear lubricant formulated with the best optimized Biotechbased™ USA-grown natural seed oil that surpasses the lubricity of most conventional oils. It protects against wear, has a high flash point for safety and is readily biodegradable. **Applications:** Specifically formulated to meet the demanding applications of gears and drives where heavy loads and high torque are present Suited for use where an API GL-5 performance level is specified For use where industrial gear oils are specified **Benefits:** Superior lubricity protects gears from wear Protects ferrous metal components from rust and corrosion Designed to handle both sliding and rolling loads Reduces vibration and noise Mostly benign when released into the environment Meets USDA's proposed biobased product definition for EO 13101 Meets EPA's Environmental Preferable Purchasing (EPP) criteria Made from renewable USA-grown crop-based oils Meets State of Iowa Senate File 2249 Purchasing Preference for Biobased Lubricants Information provided by ELM®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ELM-80W90-Multi-Purpose-Biodegradable-Biobased-Gear-Lubricant.php](http://www.lookpolymers.com/polymer_ELM-80W90-Multi-Purpose-Biodegradable-Biobased-Gear-Lubricant.php)

Physical Properties	Metric	English	Comments
Viscosity Measurement	213	213	Index
Kinematic Viscosity at 40°C (104°F)	87 cSt	87 cSt	
Kinematic Viscosity at 100°C (212°F)	17 cSt	17 cSt	

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	500 kg	1100 lb (mass)	ASTM D2596
Four Ball Wear	0.390 mm	0.0154 in	Scar Diameter; ASTM D4172

Thermal Properties	Metric	English	Comments
Pour Point	-33.0 °C	-27.4 °F	
Flash Point	202 °C	396 °F	

Descriptive Properties	Value	Comments
Rust & Corrosion	1A	ASTM D130
SAE Viscosity Grade	80W-90	

**Contact Songhan Plastic Technology Co.,Ltd.**

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