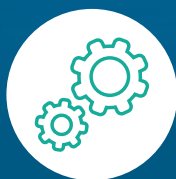


Cargill Priolube™ EF 7010

Next-generation synthetic ester base oil for electric vehicles



Low viscosity



For EV transmission fluids



Create high efficiency lubricants



Oxidatively stable



Ultimately biodegradable*

Priolube™ EF 7010 is a low viscosity, fully synthetic dielectric ester base oil suitable for formulating EV transmission and e-axle fluids.



cargill.com/priolube-ef

Features and benefits

- Excellent traction reduction - increases efficiency in e-axles and transmissions
- Excellent load handling capabilities – improves FZG on SRV (DIN 51834-4) performance in Group III base oils
- Compatible with many standard automotive elastomers, even at very high inclusion rates
- Exceptionally low NOACK volatility - reduce evaporative losses, even at elevated temperatures
- No halogenated materials intentionally added

*OECD 301B

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Cargill™

Typical Properties

Property ¹	Units	Value
Kinematic viscosity at 40°C	cSt	9.6
Kinematic viscosity at 80°C	cSt	3.9
Kinematic viscosity at 100°C	cSt	2.9
Hydrolytic stability	–	Stable
Iodine value	g/100g	2
Oxidative stability (ASTM D8206)	minutes	200
Breakdown voltage (EN 60156 / IEC 60156)	kV	75
Electrical conductivity (DIN 51 111)	pS m ⁻¹	~100
Flash point COC	°C	220
Pour point	°C	-35
Density at 20°C	g cm ⁻³	0.86
Foam (ASTM D6082)	–	No foam
Biodegradability (OECD 301B)	–	Ultimately biodegradable
Halogen content	–	None*
NOACK volatility at 200°C	%	2
NOACK volatility at 250°C	%	17.5
Viscosity index	–	158
Thermal conductivity at 20°C (ASTM D7896-19)	W m ⁻¹ K ⁻¹	0.154
Thermal conductivity at 40°C (ASTM D7896-19)	W m ⁻¹ K ⁻¹	0.150

¹ Typical values. Please refer to CoA for actual results

* No halogenated materials intentionally added

Applications and recommended uses

Priolube™ EF 7010 is compatible with Group III, IV and V (ester) base oils and we recommend a maximum treat rate of 50% w/w. Contact us for specific guidance.

Environment and safety

Please request our safety data sheet.

Further information

If you have further questions do not hesitate to reach out to your local representative.

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Non-warranty

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