

## Polymeric Esters Technical Data Sheet

Polymeric esters are high viscosity lubricant additive components that are used as thickeners, tackifiers and lubricity additives in industrial grease applications. They are thermally and oxidatively stable with high polarity, enabling them to deliver outstanding film-forming and wear protection performance. Polymeric esters are readily biodegradable, environmentally friendly, shear stable additives that boost viscosity index boost for improved lubrication efficiency.

The LEXOLUBE Z series polymeric esters have high polarity, making them insoluble in highly paraffinic mineral oil or PAO synthetic Group V base stocks. They are recommended for use in polar base stocks like polyol esters, phosphate esters and alkylated aromatics, and can be can be tailor made to a wide range of viscosity specifications. LEXOLUBE Z series polymeric esters are also used as plasticizers for polar resins such as PVC.

Synthetic Ester	Chemistry	Viscosity @ 40°C (cSt)	Viscosity @ 100°C (cSt)	Viscosity Index	Flash Pt. (°C)	Pour Pt. (°C)
LEXOLUBE Z-100	PGA	960	80	160	285	5
LEXOLUBE Z-6000	PGA	1600	120	165	285	0

### Features

- High viscosity
- Lubricity
- Thermal/Oxidative stability
- Hydrolytic stability
- Shear stable
- Readily biodegradable

### Applications

- Grease
- Plasticizer
- Builds tack and body

Please inquire about additional tailor-made products that can be made to fit your exact performance requirements.

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