

FUNCTIONAL V-732

2000 cSt Ethylene Propylene Oligomer Base Stock

APPLICATION:

FUNCTIONAL V-732 is a pure liquid viscosity modifier with high thickening efficiency and low temperature fluidity for high performance at lower cost per treat. The exceptional shear stability of **FUNCTIONAL V-732** allows it to act as a high viscosity synthetic base stock.

COMPOSITION:

FUNCTIONAL V-732 is pure low molecular weight copolymer of ethylene and propylene with no diluent.

Typical Properties	
Appearance	Clear Colorless Liquid
Kinematic Viscosity, ASTM D445	2,000 cSt @ 100°C 37,500 cSt @ 40°C
Viscosity Index	300
Density (lb/gal)	7.12 lb/gal
Specific Gravity @ 60°F	0.84 g/mL
Flashpoint, ASTM D92 COC	>270°C (518°F)
Pour Point, ASTM D97	-3°C / 26.6°F
Thickening Efficiency (10wt% in ISO 32 Gr. I)	13.7 cSt @ 100°C
Thickening Efficiency (10wt% in Canola)	17.8 cSt @ 100°C
Shear Stability Index (PSSI), ASTM D6278 (5wt% in PAO4)	0 SSI
20hr KRL Shear Stability, CEC L-45-A-99 (5wt% in PAO4)	13 %

TREATMENT LEVEL:

FUNCTIONAL V-732 is compatible in petroleum oils (Group I-III and naphthenic), PAO, vegetable oils and some polyol esters, diesters, and estolides.. **FUNCTIONAL V-732** is incompatible in all PAG fluids.

Treatment levels of 2 – 30% are typical in industrial lubricants and greases. **FUNCTIONAL V-732** can be used as either a VI improver or a shear stable base stock depending on the need.

HANDLING:

Dissolving is best accomplished with continuous agitation at temperatures of 104-140°F (40-60°C). **FUNCTIONAL V-732** may be preheated in a hot room or tank at up to 176°F (80°C) to aid in pumping but long term storage should remain below 140°F (60°C).

FUNCTIONAL V-732 is a non-hazardous material; see the current Safety Data Sheet.

This Technical Data Sheet and the Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

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