

### FUNCTIONAL V – 114L

#### VISCOSITY INDEX IMPROVER AND GREASE ADDITIVE

##### APPLICATION:

**FUNCTIONAL V-114L** is a concentrated liquid viscosity index (VI) improver that may be used in preparing industrial fluids, lubricants, and greases.

##### COMPOSITION:

The active thickener in **FUNCTIONAL V-114L** is a copolymer of ethylene and propylene. The diluent in **FUNCTIONAL V-114L** is a food grade white oil. Both ingredients are non-hazardous and are listed as suitable for use in lubricants with incidental food contact (21 CFR 178.3570).

Typical Properties	
Specific Gravity	0.86
Lbs per Gallon	7.16
Flash Point	150°C (302°F)
Kinematic Viscosity	12000 cSt at 100°C
Color (ASTM D1500)	< 0.5

##### TREATMENT LEVEL:

Treatment levels from 2 - 10% are typical in industrial lubricants and greases. Treat levels of 1% to 5% are very effective at reducing the water spray-off tendency of a grease as measured by ASTM D4049.

##### HANDLING:

Due to the viscosity of **FUNCTIONAL V-114L**, elevated temperature (up to approximately 90°C (200°F) can facilitate handling. Safe handling precautions are the same as those to be taken with the base oil; see the current Safety Data Sheet.

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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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