

### FUNCTIONAL V - 460

#### FOOD GRADE SUPERIOR HIGH SHEAR STABLE VISCOSITY INDEX IMPROVER

##### APPLICATION:

**FUNCTIONAL V-460** is a viscosity index (VI) improver that may be used in preparing industrial fluids and lubricants. It may also be used without dilution as a supplemental crankcase additive for the automotive aftermarket.

##### COMPOSITION:

The active thickener in **FUNCTIONAL V-460** is a copolymer of ethylene and propylene that has been used as a V.I. improver by major oil companies. The diluent in **FUNCTIONAL V-460** is 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	3000 cSt at 100°C
Color (ASTM D1500)	Clear to Slight Haze
Thickening efficiency, (10.0% in ISO 22 oil)	7.0 – 12.0 cSt at 100°C
Percent viscosity Loss ASTM D 6278, 30 cycles	7.5.0%
Shear Stability Index (PSSI) ASTM D 6278	25%

##### TREATMENT LEVEL:

Treatment levels from 5 - 20% are typical in industrial lubricants and greases.

##### HANDLING:

Due to the viscosity of **FUNCTIONAL V-460**, 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.



Nonfood Compounds  
Program Listed  
Category Codes: HX-1and HX-2  
**142396**

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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