

### FUNCTIONAL V-255L

#### SHEAR STABLE VISCOSITY INDEX IMPROVER IN LIQUID FORM

#### APPLICATION:

**FUNCTIONAL V-255L** is a viscosity index (V.I.) improver polymer in concentrated liquid form. It can be used to prepare an economical additive for industrial oils or an aftermarket "oil treatment" additive. It may also be used as an inexpensive thickener for oil, to avoid blending with expensive oils like bright stocks. Customers should evaluate the product in their base oil for compatibility and in particular performance at low temperatures. To improve the low temperature properties of the oil a pour point depressant such as **FUNCTIONAL PD-610** is recommended.

#### COMPOSITION:

The active ingredient in **FUNCTIONAL V-255L** 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-255L** is a light paraffinic mineral oil.

Typical Properties	
Appearance	Viscous light-yellow liquid
Specific Gravity:	0.87
Viscosity at 100°C	1000 cSt
Thickening efficiency, cSt at 100 C. 10% in ISO 32 oil	12.2
Shear Stability Index (PSSI), ASTM D6278	25.

#### TREATMENT LEVEL:

Treatment levels of 5 to 20% are typical in industrial lubricants and greases. The user should determine the compatibility and treatment level for the desired application.

#### HANDLING:

Storage at room temperature is recommended. Due to the viscosity of **FUNCTIONAL V-255L** at normal room temperature, elevated temperature (up to approximately 90°C or 200°F) can facilitate handling. It is a non-hazardous material; see the current Material Safety Data Sheet.

This Technical Data Sheet and the Material 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.

Issued: 7/31/11