

### FUNCTIONAL V-358

#### VISCOSITY INDEX IMPROVER FOR HIGH TEMPERATURE LUBRICANTS

#### APPLICATION:

**FUNCTIONAL V-358** is a viscosity index (V.I.) improver that may be used in preparing industrial fluids and lubricants. Lubricants and greases made with Group III or PAO oils and **FUNCTIONAL V-358** are more thermally and oxidatively stable than those made with the same base oils and conventional VI improvers. We recommend **FUNCTIONAL V-158**, **V-165** and **V-106** in applications where oxidation stability is less important.

#### COMPOSITION:

The active thickener in **FUNCTIONAL V-358** is a copolymer of ethylene and propylene. The diluent in **FUNCTIONAL V-358** is a thermally stable mineral oil that does not require hazard labeling.

Typical properties	
Specific Gravity	0.83
Lbs per Gallon	6.9
Flash Point	210°C (410°F)
Kinematic Viscosity	800-1500 cSt at 100°C
Color	white

#### TREATMENT LEVEL:

Treatment levels from 5 - 20% are typical in industrial lubricants and greases. The V.I. improver treatment level depends on the choice of additive package, and there are no treatment levels that may be offered as typical.

#### HANDLING:

Due to the viscosity of **FUNCTIONAL V-358**, elevated temperature (up to approximately 90°C or 200°F) can facilitate handling. Safe handling precautions are the same as those to be taken with the base oil; 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.

8/13/2004

8282 Bavaria Road, Macedonia, Ohio 44056

Phone: (330) 963-3060

Fax: (330) 963-3322

ISO 9001:2000 (With Design)