

### FUNCTIONAL V-141 VISCOSITY INDEX IMPROVER

#### APPLICATION:

FUNCTIONAL V-141 is a viscosity index (V.I.) improver that may be used in preparing industrial fluids and lubricants. For the same increase in viscosity, FUNCTIONAL V-141 gives a higher viscosity index than other V.I. improvers.

#### COMPOSITION:

The active thickener in FUNCTIONAL V-141 is a hydrocarbon polymer. The diluent in FUNCTIONAL V-141 is a light paraffinic mineral oil.

Typical properties	
Specific Gravity	0.86
Lbs per Gallon	7.16
Flash Point	175°C (350°F)
Kinematic Viscosity	4000-6000 cSt at 100°C
Color	yellow (1 - 2 ASTM)

#### TREATMENT LEVEL:

The treatment level of FUNCTIONAL V-141 depends on the desired increase in viscosity index. Examples for treat level 7 and 15% are in the table below:

Oil	Treatment %	cSt 40°C	cSt 100°C	V.I.
ISO 22 paraffinic	7, (15)	42, (75)	8, (15)	170, (210)
ISO 68 naphthenic	7, (15)	140, (320)	16 (36)	130, (160)

#### HANDLING:

Due to the viscosity of FUNCTIONAL V-141, 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.

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