

### FUNCTIONAL V-186

#### SHEAR STABLE OLEFIN COPOLYMER TACKIFIER FOR LOW SPEED CLING

#### APPLICATION:

**FUNCTIONAL V-186** is an additive that confers mild tackiness. It may be used to provide adherence in way oils and chain lubricants, stringiness in greases, and aerosol resistance in mist and pneumatic system lubricants. **FUNCTIONAL V-186** is more shear stable than even **FUNCTIONAL V-188** tackifier and appropriate for heavy duty gear oil or extra long life applications.

Uniquely, **FUNCTIONAL V-186** also imparts cling and anti-drip behavior to lubricants on horizontal or vertical surfaces over long periods of time while stationary. Most tackifiers operate as anti-fling agents at mid to high speed. Yet **FUNCTIONAL V-186** is active to promote clinging under low speeds. This is ideal for low speed, high torque applications like mining, rock crusher oils, wire rope, or equipment used periodically.

#### COMPOSITION:

The active additive in **FUNCTIONAL V-186** is a thermally stable, shear stable polyolefin. The diluent oil in **FUNCTIONAL V-186** is light colored paraffinic oil that does not require hazard labeling.

Typical Properties	
Appearance	Color to Light Yellow Liquid
Specific Gravity	0.85
Pounds per Gallon	7.1
Kinematic Viscosity, D445	4000 - 5000 cSt @ 100°C
Flashpoint, D92	>150°C/302°F

#### TREATMENT LEVEL:

Treatment levels of 1 to 5wt% are typical in imparting modest viscosity and tack to petroleum or synthetic hydrocarbon based lubricants and greases. The user should determine the compatibility and treatment level for use of this product in a specific base oil.

#### HANDLING:

Storage at room temperature is recommended. Due to the viscosity of **FUNCTIONAL V-186** at room temperature, elevated temperatures (up to approximately 90°C or 200°F) can facilitate handling. **FUNCTIONAL V-186** is a non-hazardous material; 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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