

### FUNCTIONAL V-508S THICKENER for FATTY OIL BASED LUBRICANTS

#### APPLICATION:

**FUNCTIONAL V-508S** is granulated polymer, specifically designed for use in greases. Unlike pre-dissolved polymers, the absence of diluent oil permits complete formulating flexibility. Greases made with **FUNCTIONAL V-508S** have better mechanical stability than those using polymers designed specifically for gear oil, hydraulic fluids, rock drill oils and motor oil. **FUNCTIONAL V-508S** may also be used in motor oil and aftermarket applications.

#### COMPOSITION:

**FUNCTIONAL V-508S** is a proprietary copolymer offered in granulated form.

Typical Properties	
Appearance	Clear to white granules
Mooney Viscosity UML (1+4) 100°C	27 +/- 4
Volatile matter, (6h at 105°C)	< 0.6%
Total Ash	< 0.8%
Specific Gravity	1.00

#### TREATMENT LEVEL:

Typical treatment levels of 1.0 – 2.0% are used in greases for water resistance and mechanical stability. For ISO 68 oil a treat rate of 1.5% is recommended and for ISO 220 a treat rate of 3.3% is recommended.

#### HANDLING:

**FUNCTIONAL V-508S** is packaged in polyethylene bags – 55lbs per bag. It is resistant to caking and no particular precautions are needed in storage. Long-term storage at warm temperature may, however, necessitate regrinding. **FUNCTIONAL V-508S** is non-hazardous material; see the current MSDS. Dissolving is best accomplished with continuous agitation at temperatures of at least 200°F (95°C).

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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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QMS certified to ISI 9001:2008 (with design)