



P-D88L

TECHNICAL DATA SHEET

1/10/26

P-D88L (PETROCHEM - HIGH TEMPERATURE DISPERSANT, ANTI-GELLING AGENT & FRICTION REDUCER LIQUID)

PRODUCT DESCRIPTION

- **P-D88L** is a multi-functional liquid cement additive designed to enhance slurry rheology, pumpability, and placement efficiency in primary and remedial oil and gas well cementing operations. The product functions as a dispersant, anti-gelling agent, and friction reducer to improve overall slurry performance.
- **P-D88L** is designed to promote efficient cement particle dispersion and maintain stable slurry rheology across a wide range of cementing conditions.
- **P-D88L** is compatible with freshwater and brine-based cement systems and maintains performance at temperatures up to 400°F (204°C), making it suitable for use in high-temperature, high-pressure (HTHP) well environments.
- **P-D88L** is added to the mix water prior to cement addition to ensure proper dispersion and uniform distribution throughout the slurry.

TECHNICAL DATA

- The primary function of **P-D88L** is to improve slurry rheology by dispersing cement particles and minimizing particle flocculation. This results in reduced slurry viscosity, improved pumpability, and more efficient slurry placement during cementing operations.
- **P-D88L** promotes effective cement particle dispersion, enhancing slurry stability and supporting the formation of a uniform cement matrix after set. Improved dispersion can produce a denser, more homogeneous cement sheath with increased resistance to temperature variations, chemical attack, and mechanical stresses encountered in downhole environments.
- **P-D88L** also contributes to reduced pumping friction and lower surface horsepower requirements during slurry placement, improving operational efficiency during cementing operations.
- **P-D88L** is compatible with most commonly used cement additives, including retarders, accelerators, fluid-loss control agents, extenders, and weighting materials. Laboratory testing is recommended to confirm performance under specific well conditions.

PROPERTIES

- Appearance: Brown (Liquid)
- Specific Gravity: 1.30
- Temperature Stability: Effective up to 400°F (204°C)

TYPICAL TREATMENT

- Actual dosage should be determined through laboratory testing to optimize slurry performance based on cement composition, temperature conditions, and well design requirements.

PACKAGING

- **P-D88L** is packaged in 244-gallon (2645 lb.) totes.

SAFETY

- Refer to the **Safety Data Sheet (SDS)** for detailed information regarding safe handling, storage, and use of this product.

NOTICE

- The information provided herein is believed to be accurate and reliable based on current knowledge and experience. PETROCHEM USA makes no warranties, expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose, or performance under specific conditions. Users are responsible for verifying product suitability and performance under actual well conditions and for ensuring compliance with all applicable laws, regulations, API standards, and safety requirements.