



PLUSCO

Product Data Sheet

PLUSCO 2111 **Lead & Zinc Free Thread Compound**

PLUSCO 2111 Lead & Zinc Free Thread Compound has been designed to replace conventional API compounds which contain over 60% metallic powders. **PLUSCO 2111 Lead & Zinc Free Thread Compound** is recommended for use on oilfield and water well tubing, casing, and line pipe and may be used for hydrostatic testing, storage, or as a running compound.

PLUSCO 2111 Lead & Zinc Free Thread Compound was developed to address some of today's stringent environmental concerns. This non-hazardous thread compound contains no metals which may create a corrosive condition thereby eliminating galvanic action commonly found in thread compounds which contain various dissimilar metals.

PLUSCO 2111 Lead & Zinc Free Thread Compound is not affected by hydrogen sulfide, salt, water or downhole chemicals which commonly react with metals found in conventional thread compounds. This environmentally oriented thread compound provides ease of make-up and break-out on a wide range of pipe composition, or thread configuration. It provides excellent service performance in the area of lubrication, sealing and corrosion protection during periods of storage.

PLUSCO 2111 Metal Free Thread Compound meets or exceeds the requirements for a thread compound as stated in **API Bulletin 5A3, November 2009.**

API OBJECTIVES

- 1. Adequate lubricating qualities to prevent galling in thread connections during make-up.**
- 2. No tendency to disintegrate nor undergo radical change in volume at temperatures up to 300°F.**
- 3. No tendency to become excessively fluid at temperatures as high as 300°F.**

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Passes

Exceeds 350°F

Passes

API OBJECTIVES

4. Sealing properties sufficient to prevent leakage at temperatures as high as 300°F.

Passes

5. Absence of any deleterious instability and any drier or hardener that will evaporate or oxidize, thereby changing the thread compound properties.

Non Present

6. Resistant to water absorption.

Water Resistant

7. Sufficient inert filler to prevent leakage of API round-thread casing and tubing joints under pressure as high as 10,000 psi.

Passes

8. Readily applicable by brush to pipe joints in cold weather.

Passes

Typical Specifications

Color	Copper Black
Texture	Grainy
Penetration Worked @ 77°F	310 - 340
Oil Separation 24 hrs @ 150°F	1.5
Sp. Gravity @	1.16
Wt. Lbs./Gal	9.69
Odor	Mild Hydrocarbon
Water Leaching % Loss	3 cc
Gas Emulsion 120 hrs.	10 cc
Brushability @ 0°F	Pass
Water Resistant	Yes
Corrosion Inhibited	Yes
Oxidation Stability	Very Good
Base Thickener	Calcium
Classification	Environmentally Safe Non Metallic
Flash Point	345°F
NLGI Grade	1
Test Performance	Meets API 5A3 Spec's
Torque Factor	Avg. .95

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Warranty: Because the conditions of use and the supervision of application are beyond the control of Plusco, Inc., we assume no liability for any product failure or other damage beyond the purchase price of the material furnished by us. No agent or representative or employee of this company is authorized to change this provision which relates to all goods delivered whether sold or delivered as samples or otherwise.