

BREOX PEL NS

INTRODUCTION

BREOX Polyethylene Extrusion Lubricant **PEL NS** is a water soluble, high viscosity polyalkylene glycol based lubricant specifically designed to assist high temperature extrusion of polyethylene during the manufacture of high power electric cable.

APPLICATION

BREOX PEL NS has been specifically formulated to provide the following operational characteristics for the lubricant:

- Minimal risk of staining or discoloration of polyethylene during the process
- High thermo-oxidative stability up to 240°C, together with minimal deposit formation during use
- Resistant to the peroxide cross linkers in the polyethylene
- Does not prevent cross linking in the polyethylene layers
- Does not result in embrittlement of the polyethylene

TYPICAL PHYSICAL PROPERTIES

The typical values presented here are believed to be accurate, they should not however be considered to constitute a specification.

Physical Attribute	Analysis Method	Value and Unit
Viscosity @40°C	ASTM D 445	18,000 cSt
Density @20°C	ASTM D 1298	1100 kgm ³
Flash Point	ASTM D 92	270°C
Pour Point	ASTM D 97	8°C
Water Content	ASTM D1744	0.2 %wt
Ash Content	ASTM D128	0.01 %wt
Colour	-	Blue

Remarks

Handling & Safety:

A material Safety Data Sheet (MSDS) has been issued describing the health, safety and environmental characteristics of BREOX PEL NS together with handling precautions and emergency procedures. This must be consulted and fully understood before storage, handling and use.

Storage:

Revision-No.

1.1-02.2004 Effective February 25, 2004

The product can be stored for at least 1 year at ambient storage conditions and temperature without any deterioration.

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