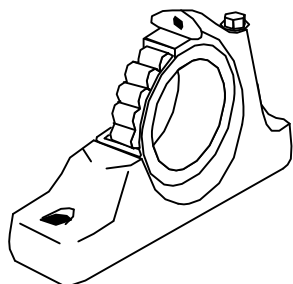




Research, Development & Engineering
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Description Sheet
Product 8103
JANUARY 1997



MoS₂ Grease

DESCRIPTION

Loctite 8103 is a Universal mineral grease containing MoS₂ for heavy duty use on moving parts at all speeds

APPLICATION

Used in highly stressed joints, plain and roller bearings, splines and socket joints and slideways subjected to vibration and heavy loads.

This grease reduces wear and protects surfaces on equipment subjected to vibration, stop/start and overload conditions. It is used on equipment in Quarrying, Steel Mill, Transport and Agricultural industries.

DIRECTIONS FOR USE

Apply to clean parts where possible, as conventional grease, by means of brush, spatula or grease gun. May be used in automatic lubricated systems. Loctite cleaners 7063 or 7070 may be used to remove grease residues from nipples and lubrication parts..

Follow manufacturer's recommendation for lubrication of bearings (quantity, frequency, etc.).

Avoid excessive greasing. Other grease residues may not be compatible with Loctite 8103.

PRODUCT PROPERTIES

Base	Mineral oil, Lithium soap and MoS ₂
Colour	Black
Odour	Light
Density at 20°C g/ml NFT 30 020/ISO 2811/ DIN 51 757	0.9
Consistency NGLI Class NFT 60 162/DIN 51 818	2
Worked Penetration (0.1mm) @ 25°C and 60 strokes NFT 60 132/DIN/ISO 2137/IP50	265/295
Drop Point, °C NFT 60 102/DIN/ISO 2176/ IP132	>190

PERFORMANCE

• Hoffman Oxidation (100hr) ASTM D942, psi	<8
• Corrosion on Copper 3 hours @ 100°C ASTM D4048/NFM 07 015/ ISO 2160/IP112	1a
• Loading Test-4 ball IP239/NFE 48 617/ DIN 51 350-5/ASTM D2596 Weld Load, N	3,500
• EMCOR Test, NFT 60 135/DIN 51 802/ IP 220	0.6
• Recommended Operating Temperature Range, °C	0
• DN Factor (Ndm), max.	-20 to +150°C
	500,000