



Grease Barium Complex

Range of mineral based barium complex soap greases

Description

Grease Barium Complex is a technologically advanced range of barium complex soap based greases enhanced with excellent resistance to water washout, aging and acid and alkaline solutions. Shows also excellent performance in combination with hot water and vapour. This makes it a very suitable grease for a vast range of applications. Suitable for use in centralized lubrication systems.

Applications

- Water, acids, alkaline bleach pumps
- Extractors and fans in very wet environments (i.e. cooling waters)
- Plain bearings and bearings in the textile and leather industry
- Mechanisms exposed to vapour in the paper industry
- Wheel bearings in all types of vehicles and moving equipment
- Driers in the wood industry
- Chains and roller belts in the packing industry
- Anticorrosive protection in sprayers walls

- Centralized lubrication systems in granulating machines (Grease Barium Complex M 1-2)
- Spindles
- Engines
- High speed bearing in wet or chemical ambience
- Bearings exposed to vibrations or oscillations in heavy industries
- Sealing grease in labyrinth packing
- Bearing discs
- Cold and hot water tap grease lubrication
- Rotary joints

Benefits

- Long life grease
- Extended bearing life
- Contributes to lower grease consumption
- Extends relubrication intervals
- Good pumpability
- Excellent adhesivity
- Load resistant
- Absorbs vibrations

All performance data on this Technical Data Sheet are indicative only and can vary during production
Matrix Specialty Lubricants BV - info@matrix-lubricants.com - www.matrix-lubricants.com



Typical performance data

	Test method	M 2	M 1/2	L 2	H 2
Thickener, soap type		Barium complex			
Base oil nature		Paraffinic			
Base oil viscosity @ 40 °C, cSt		220	220	100	460
NLGI		2	1/2	2	2
Colour		Light brown		Brown	Cream
Penetration @ 25 °C , x 0,1 mm	ASTM D217	265/295	290/310	265/295	265/295
Drop point, °C	ASTM D566	>210	>210	>210	>210
SKF/EMCOR corrosion test	DIN-51802				
<ul style="list-style-type: none"> Distilled water Salt water 		0 2	0 2	0 2	0 2
4-ball wear test	IP-239				
<ul style="list-style-type: none"> Welding load, kg Wear scar diameter 1h/40 kg, mm 		>350 <0.60	>350 <0.60	>350 <0.60	>350 <0.60
Copper strip corrosion, 24h/100 °C	ASTM D048	1b	1b	1b	1b
Water washout, 80 °C, %	ASTM D1264	<2.6	<2.7	<2.2	<4.5
Oil separation 7d/40 °C, %	IP-121	<3.5	<4	<3	<4.5
Speed factor (dN)		3.5x10 ⁵	3.5x10 ⁵	5x10 ⁵	1.5x10 ⁵
Working temperature range, °C		-10 – 145	-10 – 145	-10 – 145	-10 – 150
Peak temperature, °C		170	170	170	170

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