

LGEP 2



High Load, Extreme Pressure Bearing Grease

BW bearings LGEP 2 is an extreme pressure lithium soap thickened grease, used in heavily loaded industrial bearings and other industrial applications. LGEP 2 is favoured for heavy duty service in adverse environments with special requirements for corrosion protection operating under severe weather conditions due to its anti wear properties.

ADVANTAGES

- Oxidation inhibiting characteristics are maximised to afford long life of the grease.
- Outstanding corrosion protection are achieved by using a unique additive package.
- Extremely low coefficients of friction energy saving & noise level reduction.
- Excellent mechanical stability.
- Excellent wear protection.



TYPICAL APPLICATIONS



- Heavy machinery – Jaw Crusher
- Heavy machinery – Vibrating screens
- Mining and forestry
- Steel industry - mills and heavy shock loads
- Paper and board production machines
- Equipment exposed to salt water
- Slewing bearings - Earth moving machinery & Cranes



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Designation	LGEP 2	Test Method	Ratings
NLGI Grade		ASTM D 217	2
Colour	Smooth		Light Brown
Base oil type		API Group II	Mineral
Thickener / Soap type			Lithium
Operating temperature range			-30°C to 120°C
Dropping point		ASTM D 566	> 195°C
Base oil viscosity			
at 40°C	cSt	ASTM D 445	180-220
at 100°C			16-18
Penetration			
at 25°C (w/60)	10 ⁻¹ mm	ASTM D 217	265-295
at 25°C (w/100,000)			325 max
Mechanical stability			
Rolling stability (50 hrs at 80°C)	10 ⁻¹ mm		295 max
V2F		ASTM D 1831	M
Corrosion protection prevention (EMCOR rust test)	Standard in D/W	ASTM D 6138	0-0
Oxidation stability	100 hrs (kg/cm ²)	ASTM D 942	0.5 max
Water washout (resistance)	1 hr % wt loss	ASTM D 1264	
at 38°C			1 max
at 79°C			5 max
Oil separation (shelf life*)	7 days at 40°C, static %	DIN 51 817	2-5
Lubrication ability	Running test B at 120°C	R2F	Pass
Copper corrosion at 100°C (24 hrs)		ASTM D 4808	1b max
EP performance	Wear scar Weld loading	DIN 51305 / 5, 1 400 N DIN 51350 / 4, N / ASTM D 2596	1.4 max 250 Kgf min
Fretting corrosion	Mg	ASTM D 4170	5.7 avg

* Rolman World offer a 3 year shelf life from date of production

Available sizes	200 g Pouch	400 g Cartridge	500 g tin	1 kg tin	5 kg tin	18 kg tin
LGMT 3 General Purpose	•	•	•	•	•	•
LGEP 2 High Load, Extreme Pressure	-	•	-	•	•	•
LCAG 3 Special High & Low Temperature	-	•	•	•	•	•
LGHP 2 High Performance, High Temperature	-	-	-	•	•	•



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