

High load, water resistant, high temperature bearing grease

LGHC 2

LGHC 2 is a mineral oil based grease based on calcium sulphonate complex technology. It is formulated to withstand high loads, large amounts of water and high temperatures. It is most suitable for heavy applications, especially in the cement, mining and metals segments.

- Good mechanical stability
- Excellent corrosion protection
- Excellent high load lubricating capacity

Typical applications

- Roll stands in metallurgical industry
- Continuous casters
- Vibrating screens
- Ball mills bearings



Available pack sizes

Packsize	Designation
50 kg drum	LGHC 2/50
180 kg drum	LGHC 2/180

Technical data			
Designation	LGHC 2/(pack size)		
DIN 51825	KP2N-20	Corrosion protection	
NLGI consistency class	2	Emcor: – standard ISO 11007	0–0
Soap type	Complex calcium sulphonate	– salt water test (100% sea water)	0–1
Colour	Brown	Water resistance	
Base oil type	Mineral	DIN 51 807/1,	
Operating temperature range	–20 to +140 °C (–4 to +284 °F)	3 hrs at 90 °C	1 max.
Dropping point, DIN ISO 2176	>280 °C (>536 °F)	Water wash out ASTM D1264, %	2 max.
Base oil viscosity		Oil separation	
40 °C, mm ² /s	450	DIN 51 817,	
100 °C, mm ² /s	31	7 days at 40 °C, static, %	2*
Penetration DIN ISO 2137		Lubrication ability	
60 strokes, 10 ^{–1} mm	265–295	R2F, running test B at 120 °C	Pass at 140 °C
100 000 strokes, 10 ^{–1} mm	+30 max.	Copper corrosion	
Mechanical stability		DIN 51 811, 100 °C	1b max.
Roll stability, 50 hrs at 80 °C, 10 ^{–1} mm	–20 to +30 max.	EP performances	
		Wear scar, DIN 51350/5, 1 400 N, mm	1.2*
		Weld load, DIN 51350/4, N	4 000*
		Available pack sizes	50, 180 kg

* Typical value