

LMCG 1

Grid and gear coupling grease

LMCG 1 is a polyethylene thickened and mineral oil based grease which also uses a lithium complex thickening technology. The grease is formulated to withstand high centrifugal forces and high-torque applications for grid and gear (flexible) couplings even where severe shock loadings, misalignment and vibration occur.

- Excellent resistance to oil separation
- High acceleration and high operating speeds
- Excellent high-torque lubrication
- High corrosion protection
- Exceeds AGMA Type CG-1 and AGMA Type CG-2 requirements
- High coupling wear protection
- Excellent oxidation stability
- Due to low oil bleeding tendency, suitable for use in centralized lubrication systems

Typical applications:

- Grid couplings
- Gear couplings
- Flexible heavy duty grid and gear couplings
- Low maintenance cost and long life grid and gear couplings



Technical data

Designation	LMCG 1/(pack size)
DIN 51825 code	G0G1G-0
NLGI consistency class	1
Soap type	Polyethylene
Colour	Brown
Base oil type	Mineral
Operating temperature range	0 to 120 °C (32 to 248 °F)
Dropping point DIN ISO 2176	210 °C (410 °F)
Base oil viscosity	
40 °C, mm ² /s	670
100 °C, mm ² /s	34
Penetration DIN ISO 2137	
60 strokes, 10 ⁻¹ mm	310–340

Corrosion protection

SKF Emcor:	
– standard ISO 11007	0–0
– salt water test (100% seawater)	2–2

Copper corrosion ASTM D4048

24 hrs at 100 °C	1b
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EP performance

Wear scar DIN 51350/5, 1 400 N, mm	0,5 max.
4-ball test, welding load DIN 51350/4, N	3 200*

Koppers Method ASTM D4425

K36, 24h	<24%
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Approximate density

at 20 °C, IPPM-CS/03	0.94
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Available pack sizes

35 g tube	
420 ml cartridge	
2, 18, 50 kg	

* Typical value