

# CHO-LUBE® 4220

## Electrically Conductive Grease



### Customer Value Proposition:

CHO-LUBE® 4220 is a silver filled conductive grease designed for surface-to-surface, particularly metal-to-metal, sliding contact areas requiring continuous electrical paths such as a switch, commutator, etc.

Comprised of a specialty silicone polymer system, CHO-LUBE 4220 provides good lubrication and electrical continuity in abrasive, high temperature environments.

CHO-LUBE 4220 is excellent for grounding enclosures, equipment, or components which require lubrication to overcome friction as well as maintain EMI control.



### Contact Information:

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### Product Features:

- High Conductivity
- Lubricates
- Thermal Stability
- Chemically Inert
- Mitigates component wear

### Typical Applications:

- Electrical contact between metallic surfaces
- Lubrication with shielding properties
- Heat dissipation
- Surface protection

## CHO-LUBE 4220 Electrically Conductive Grease - Product Information

**Table 1 Typical Properties**

CHO-LUBE 4220		
Properties	Specifications	Test Method
Binder	Silicone	N/A
Filler	Silver	N/A
Color	Silver	N/A
Wet Density	3.1 g/ml	95-40-5504* (Q/C)
Volume Resistivity	0.100 max. ohm-cm	CHO-MAT 1002* (Q/C)
Shelf Life, from date of manufacture	12 months @ 77°F (25°C)	(Q)
Continuous Use Temperature	-40 to 204°C (-40 to 400° F)	(Q)
Minimum thickness recommended	0.001 in. (0.025 mm)	N/A
Maximum thickness recommended	N/A	N/A
Volatile Organic Content (VOC)	0 g/l	Calculated

Note: N/A - Not Applicable, (Q/C) - Quality Conformance Tests, (Q) - Qualification Tests

\* this test Method is available from Parker Chomerics.

**Table 2 Mechanical Values**

CHO-LUBE 4220		
Properties	Typical Value	Test Method
Penetration, unworked 25C	275 (NLGI #2)	ASTM D217
Penetration, worked 60 strokes 25C	265 (NLGI #2)	ASTM D217
4-ball wear, 40 kg 1200 rpm	2 mm	ASTM D2266
4-ball EP, weld load	400kg	ASTM D2596

**Table 3 Ordering Information**

Product	Weight (grams)	Packaging	Part Number
CHO-LUBE 4220	113.4	1.5 fluid ounce foil tube	54-02-4220-0000
	283.5	6 fluid ounce SEMCO cartridge	54-01-4220-0000

[www.chomerics.com](http://www.chomerics.com)  
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