



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# 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



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

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