

CHO-LUBE® E117

Electrically Conductive Grease



Customer Value Proposition:

Parker Chomerics CHO-LUBE® E117 Electrically Conductive Grease is a silver-nickel filled, electrically conductive grease designed for effective anti-wear, helping to extend the life of parts and equipment on flanges and airframes.

Due to its high electrical conductivity in uncontrolled environments, it is ideal for use in harsh, critical environments such as those found in aviation or defense applications.

CHO-LUBE E117 helps to improve surface-to-surface contact while protecting from wear and tear. Consumer applications include grounding of enclosures and various equipment, screw threads for lubricating, grounding purpose, etc.

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Product Features:

- Long life durability
- Low resistivity
- Low viscosity for processing and wetting benefits
- Lubricating properties
- Wide temperature resistance
- Non-sagging
- Flange protection

Typical Applications:

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



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CHO-LUBE E117 Electrically Conductive Grease - Product Information

Table 1 Typical Properties

CHO-LUBE E117		
Properties	Specifications	Test Method
Binder	Silicone	N/A
Filler	Nickel-Silver	N/A
Color	Beige	N/A
Wet Density	3.1 g/ml	95-40-5504* (Q/C)
Volume Resistivity	0.040 max. ohm-cm	CHO-MAT 1002* (Q/C)
Shelf Life, from date of manufacture	24 months @ 77°F (25°C)	(Q)
Continuous Use Temperature	-55 to 200°C (-131 to 392 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 E117		
Properties	Typical Value	Test Method
Penetration, unworked 25C	375 (NLGI #2)	ASTM D217
Penetration, worked 60 strokes 25C	384 (NLGI #2)	ASTM D217
4-ball wear, 40 kg 1200 rpm	0.4 mm	ASTM D2266
4-ball EP, weld load	400kg	ASTM D2596

Table 3 Ordering Information

Product	Weight (grams)	Packaging	Part Number
CHO-LUBE E117	113.4	200g plastic container	54-01-E117-0200

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