

# TECHNICAL DATA

## RIE COATING

## RIE 1200 DRY FILM LUBRICANT

### GENERAL DESCRIPTION

**RIE1200** prevents corrosion, galling, seizing, and fretting. It is a low friction coating which exhibits long wear life when operated at -320 F to + 500 F under loads exceeding 100,000 psi.

**RIE1200** should be applied where maximum wear life and corrosion protection from a dry film lubricant are required.

### RECOMMENDED USAGE

- Where permanent lubrication is desired.
- Where “clean operation” is desired (RIE 1200 will not collect dirt and debris as do grease and oils).
- Where parts may be subjected to frequent disassembly.
- Where a protective coating and sacrificial break-in-lubricant is needed.
- Where fretting and galling is a problem (such as splines, universal joints and keyed bearings).
- Where easy release is desired (such as acme nuts and stainless steel screws).

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### PHYSICAL PROPERTIES

<b>LUBRICATIVE PIGMENT</b>	MOLYBDENUM DISULFIDE
<b>COLOR</b>	FLAT DARK GRAY, BLACK
<b>VACUUM OUTGASING</b>	NONE @ 10 <sup>-6</sup> TORR.
<b>LOX COMPATIBILITY</b>	100% COMPATIBLE AND SHOCK RESISTANT
<b>RESISTIVITY</b>	1.4 X 10 <sup>-6</sup> OHMS CM
<b>COEFFICIENT OF FRICTION</b>	0.04 TO 0.08 PER ASTM D2714
<b>LOAD CARRYING CAPACITY</b>	>250,00 PSI PER ASTM D2625, METHOD B
<b>CORROSION PROTECTION</b> (0.0008" DRY FILM COATING THICKNESS ON GRIT BLASTED STEEL)	100 HOURS PER ASTM B117 SALT SPRAY
<b>WEAR LIFE:</b>	>450 MINUTES PER ASTM D2625, METHOD A
<b>SPECIFICATIONS:</b> (FORMERLY QPL MIL-L-46010D TYPE II)	SAE SPEC AS5272