

# ROYCO<sup>®</sup> 1MS

## ANTI-SEIZE THREAD COMPOUND

### DESCRIPTION

**ROYCO 1MS** is a, blend of lubrication grade, micro-fine powdered, molybdenum disulfide that conforms to SAE-AMS-M-7866, and technical grade petrolatum conforming to VV-P-236. This anti-seize compound is non-abrasive, highly shear stable, and has a relatively low volatility compared to other thread compounds.

### APPLICATIONS

**ROYCO 1MS** is particularly suitable for use on aircraft engine spark plugs, threaded fasteners and fittings at temperatures below 427°C (800°F). At higher temperatures, **ROYCO 44** conforming to SAE AMS-2518 should be used in lieu of **ROYCO 1MS**. Since this material is an electrical conductor, it is especially suited for anti-seize applications where the thread compound will not impede electrical flow.

### APPROVALS and SPECIFICATIONS

**ROYCO 1MS** meets the requirements of US MIL-SPEC: MIL-PRF-83483D.

### TYPICAL PROPERTIES:

Properties	Test Method	ROYCO <sup>®</sup> 1MS
Worked Penetration, 77°F	ASTM D217	230
Stability	Para 4.3.3	PASS
Composition		PASS

### LIMITATIONS

**ROYCO 1MS** is an electrically conductive thread compound and should be used with discretion in or near electrical equipment. It **is not** a sealing compound and **should not** be used in oxygen systems. It should not be used in lieu of sealing compound, pipe joint and thread, lead free, general purpose, conforming to TT-S-1732. This compound contains molybdenum disulfide which at higher temperature conditions (above 538°C) may induce hot corrosion of fastener or contiguous materials.

### PACKAGING

**ROYCO 1MS** is available in 24 x 1.75 lb cases. Other package sizes may be available on special request.

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