

ROYCO® 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® 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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