

# MOLY-AP™ METAL ASSEMBLY PASTE

**MOLY-AP™ Extreme pressure lubricant for metal assembly and maintenance.**

## PHYSICAL FORM

Paste form of molybdenum disulfide and other lubricating solids in mineral oil.

## PRIMARY USE

Extreme pressure lubricant reduces wear on parts during breaking-in and new parts assembly.

## SPECIFIC APPLICATIONS

Lubricating threaded connections, gears, chains, conveyor tracks; lubricating during metal forming, general parts assembly, press-fitting, cold extrusion, breaking-in of bearings, movable screws, splines, cams, and ways.

## SPECIAL PROPERTIES

Low coefficient of friction.

## RESTRICTIONS

Not recommended for use in pressure lines or grease guns; mineral oil content may affect plastic or rubber; reduce torque values by 1/3 when used on threaded connections.

## TEMPERATURE RANGE

Base oil vehicle 0° to 250° F;  
solids are effective from 0° to 750° F.

## APPLICATION METHOD

Apply thin coating. Burnish into metal surface by rubbing with a lint-free cloth. Remove excess.

## CONTAINER SIZES

43003 3 oz tube  
43016 16 oz tub  
43030 8 lb pail  
43050 42 lb pail



## TYPICAL PROPERTIES

	Test	Result
	Appearance	Buttery
	Color	Gray-Black
	Consistency, penetration, unworked	280 to 310 mm/10
	Specific Gravity	1.30
	Approximate Service Temperature Range,	
	Solid Lubricant	0° to 750° F (-18° to 399° C)
	Base Oil	0° to 250° F (-18° to 121° C)
	Four Ball Wear Scar	
	(80 kg, 1 hour, 1200 rpm, steel vs. steel)	0.75 mm
	Four Ball Weld Load	499 kg (1100 lb)
	Four Ball Wear Index	96.8
	Effect on Copper Strip,	
	after 2 hours at 212° F (100° C)	#1, No Discoloration

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