



# TECHNICAL DATA

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## #225 MOLY TOOL JOINT

Moly Tool Joint is a high performance, extreme pressure, anti-wear lubricant that is specially formulated to lubricate and seal pipe threads.

Moly Tool Joint is compounded from the finest high viscosity index solvent refined severely hydrofinished 100% paraffin base stocks available. Blended into these paraffin base stocks is an inorganic thickener which allows the Moly Tool Joint the ability to withstand extremely high temperatures.

Further blended into these paraffin base stocks and the inorganic thickener is a combination of Molybdenum Disulfide and various solid lubricants. This combination of molybdenum disulfide and various solid lubricants not only improves the anti-wear and extreme pressure characteristics but also prevents galling in the threaded connections during make-up.

Moly Tool Joint has Gardner-Denver approval for use as a bit and coupling lubricant and threading compound.

### TYPICAL PROPERTIES

Worked Penetration 77° F/25° C (ASTM D-217)	250-280
Type Thickener	Bentone
Dropping Point (ASTM D-2265)	None
Rust Inhibitor Test (ASTM D-1743)	Pass
Oxidation Stability Test PSI Loss @ 100 hours (ASTM D-942)	5
Timken EP Test (ASTM D-2509)	
OK Load	60
Gardner Denver Bearing Test	
Ground Bearing PSI	+300,000
Pin Wear	.098
Four Ball EP Test (ASTM D-2596)	
Load Wear Index, kg.	45
Weld Point, kg.	315
Four Ball Wear Test Scar Diameter (ASTM D-2266)	.45
Base Oil Properties	
Viscosity SUS 100° F (ASTM D-445)	2300
Viscosity SUS 210° F (ASTM D-445)	145
Viscosity cSt, 100° F (ASTM D-445)	496.5
Viscosity cSt, 210° F (ASTM D-445)	30.57
Viscosity cSt, 40° C (ASTM D-445)	430.02
Viscosity cSt, 100° C, (ASTM D-445)	29.54
Viscosity Index (ASTM D-2270)	110
Flash Point ° F/° C (ASTM D-92)	560° /293.3°
Fire Point ° F/° C (ASTM D-92)	600° /315.5°