

Forum Metal Free

Forum Metal Free Tool Joint Compound is a total non-metallic, API RP 7A1 tool joint compound that employs space age, inert, high-performance materials in a high quality, Lithium Complex composition. Forum Metal Free is chemically unable to generate hydrogen or other decomposition gases to adversely affect performance in service or storage in contrast to metallic compounds. This compound is not affected by solvents, oil, mud, corrosion and mild acids or alkalis.

Applications

All oil field tubular threads: drill pipe, collars, tools, casing, tubing and line pipe.

Temperature Range

Service Rating: 0°F to 500°F

Order Information

Item #	Net Weight	Pail Size
89990220P	20 #	2 Gallons
89990330P	30 #	3 Gallons
89990550M	50 #	5 Gallons

Specifications

Property	Test Results	Method	Water Leaching	None	5A3
Physical Form	Soft Grease	Inspection	Brushing Ability	Spreadable	5A3
Color:	Black	Inspection	(-20°F)		
Odor	Faint	Inspection	Flash Point	245°C	ASTM D-92
Worked Penetrations	310-340	ASTM D-217	Water Content	<0.1%	STM 41
Dropping Point	500	ASTM D-2265	Relative Density	1:53	ASTM D-1298
Evaporation (24h/66c)	1.5%	API Bulletin 5A3	Friction Factor	1.0	ASTM 7A1 Bench Top Torque
Oil Separation (24h/66c)	<0.1%	API Bulletin 5A3	Galling	None	Inspection
Gas Evolution	None	API Bulletin 5A3	Metal to Metal Seal	Leak Free	Nitrogen

