



DYNA-PLEX 21C[®] THERMA-STEEL

Dyna-Plex 21C[®] Therma-Steel Drill Steel lubricant is an environmentally preferred, leadfree compound specifically designed for percussion drilling. Its formulation is highly fortified to provide excellent resistance to shock, galling and seizing. Its anti-friction properties are unsurpassed, while providing easy thread assembly and disassembly.

Dyna-Plex 21C Therma-Steel provides yesterday's leaded performance in today's leadfree environment. It makes up easy, breaks out with less torque, and resists washaway due to its state-of-the-art aluminum complex thickener.

Dyna-Plex 21C Therma-Steel is recommended for percussion rock drilling, blast hole drilling, road construction, logging, mining, coal drilling, pneumatic and track drilling. Dyna-Plex 21C Therma-Steel 75 is brushable and Dyna-Plex 21C Therma-Steel 89 is pumpable.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>THERMA-STEEL 75</u>	<u>THERMA-STEEL 89</u>
Thickener		Aluminum Complex Petroleum	Aluminum Complex Petroleum
Fluid Type		Black	Black
Color/Appearance			
Dropping Point, °F	D566	500	450
Specific Gravity		1.19	1.19
Density, lbs/gal, typical		9.95	9.95
Oil Separation:			
wt. % loss @ 212°F		<1%	<3%
Flash Point, COC, °F(°C)	D92	>430 (221)	>430 (221)
Water Spray Off	D4049	<10%	<10%
Penetration @ 77°F, mm x 10-1	D217	235-265	290-320
Copper Strip Corrosion	D4048	1A	1A
Shell 4 Ball	D2596		
Weld Point, kgf		620	800
Load Wear Index		92	129

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