

ALPHA 150-5M #1

LUBRICATING GREASE

▶ PRODUCT DESCRIPTION

Alpha 150-5M #1 is calcium sulfonate complex thickened lubricating grease specially formulated for heavy duty equipment. Alpha 150-5M #1 exhibits outstanding performance in the most severe applications and is fortified with molybdenum disulfide to withstand heavy loads and shock loading. Alpha 150-5M #1 contains no additives such as lead, antimony, zinc, barium, and no sulfur or phosphorous making it more environmentally friendly.

TYPICAL PROPERTIES

NLGI Grade		1
Color		Gray
Texture		Smooth
Thickener Type		Over Based Calcium Sulfonate
Operating Temperature Range		-4° – 248°F (-20° – 120°C)
Penetration, Worked 60 Strokes	ASTM D 217	310 – 340
Dropping Point, min.	ASTM D 2265	550°F (288°C)
Oxidation Stability, PSI pressure drop, 100 hrs, 210°F (99°C)	ASTM D 942	3 max
Oil Separation, US Steel method		2 max
Four Ball EP, LWI	ASTM D 2596	135 kg.
Four Ball EP, Weld Point	ASTM D 2596	620 kg.
Copper Strip Corrosion	ASTM D 4048	1a
Molybdenum Disulfide, wt		5.0%
Particle size, micron		<5
Water Washout, 175°F (79°C), % loss	ASTM D 1264	2.0%
Mobility	US Steel Method	
@ -10°F (-23°C)		8.94 g/min
@ -20°F (-29°C)		3.87 g/min
Lincoln Ventmeter		
@ -10°F (-23°C)		450 psi
@ 0°F (-17°C)		375 psi
Salt Fog Test, hrs	ASTM B 117	+4,000
Base Oil Characteristics	ASTM D 2161	
Viscosity, 40°C		150 cSt
Viscosity, 100°F		750 SUS

PRODUCT CODE

CSM1508000

HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).