



Product Data

Castrol Braycote 868

Grease, Molybdenum Disulfide and Silicone Oil

Description

Castrol Braycote™ 868 is a grayish-black homogeneous mixture of molybdenum disulfide and silicone oil.

Temperature Range

Braycote 868 is designed to operate over the temperature range of -7°C to 404°C (19°F to 759°F).

Application

Braycote 868 is designed for use on slow-speed sliding surfaces operating at temperatures up to 400°C (752°F) and as an anti-seize compound on threaded parts which operate at temperatures up to 760°C (1400°F).

Specification

Braycote 868 meets the requirements of, but is not qualified to, specification DOD-L-25681D..

Typical Characteristics

TEST METHOD	DESCRIPTION	SPECIFICATION REQUIREMENTS	RESULT
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Base Oil:

D 1500	Color, ASTM	2.0 Maximum	<0.5
D 92	Flash Point, °C (°F)	274 (525) Maximum	300 (572)
D 445	Viscosity @ 100°C (212°F), cSt @ 40°C (104°F), cSt	16-22 65-85	19.5 69

Grease:

	Molybdenum Disulfide MIL-M-7866	Must Conform	Pass
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Composition Requirement:

	Molybdenum Disulfide, % wt	49-51	50
	Silicone Fluid, % wt	49-51	50
D 2595	Evaporation Loss, % wt 22 hrs @ 149°C (300°F)	Report	4.5
D 217	Penetration Worked @ 25°C (77°F), mm ⁻¹		240

Subject to usual manufacturing tolerances.

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8/14/2008, version 9.0
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