



Braycote 622

Grease, General Purpose

Description

Castrol Braycote™ 622 is a synthetic hydrocarbon base, non-soap thickened grease. It offers outstanding high and low temperature properties, water resistance, and extreme pressure characteristics making it suitable for applications that exceed the capabilities of the best conventional greases. Braycote 622 has good oxidation and corrosion resistance, a low bleed and evaporation rate, and minimal effect on rubber seals. Its compatibility with mineral oil base greases is an added advantage.

Application

Braycote 622 is particularly suited for aircraft applications such as wheel bearings, helicopter rotor bearings, control systems, applications including conveyor bearings, small alternator bearings operating at temperatures near 350°F (177°C), high speed miniature ball bearings, and bearing situations where oscillation, vibration, and fretting create problems.

Typical Characteristics

Name	Method	Units	Braycote 622
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	281
Worked Penetration (100,000 strokes @ 25°C / 77°F) - change from 60 strokes	ISO 2137 / ASTM D217	0.1 mm	315
Dropping point	ASTM D2265	°C/°F	275/500
Copper Corrosion (24 hrs, 100°C / 212°F)	ASTM D4048	Rating	1a
Evaporation Loss (22hrs @ 176°C / 349°F)	ASTM D2595	% wt	4.34
Four Ball Wear test - Wear Scar Diameter (40 kgf / 75°C / 1200 rpm / 1 hr)	ISO 51350 / ASTM D2266	mm	0.62
Four Ball Weld Load test - Weld Point	ISO 11008 / ASTM D2596	kgf	45
Low temperature Torque - starting torque	ASTM D1478	N/m	0.32
Low temperature Torque - torque after 60 mins	ASTM D1478	N/m	0.05
Water Wash-out	ASTM D1264 / ISO 11009	%wt loss	>1
Oil Separation (30 hrs @ 176.6°C / 350°F)	ASTM D6184 / FTM 321.2	% wt	>6
Specific Gravity @ 15°C / 59°F	ISO 3675 / ASTM D1298	-	0.882
Density of finished grease @ 15°C / 59°F	-	lb/gallon	7.34

Subject to usual manufacturing tolerances.

Additional Information

Temperature Range Braycote 622 is designed to operate over the temperature range of -54°C to 177°C (-65°F to 350°F). Specification Castrol Braycote® 622 meets all the requirements of, and is qualified under military specification MIL-PRF-81322F, NLGI Grade 2 and DOD-G-24508A, Amendment 4 (NAVY).

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