



## **Castrol Braycote® 622**

*Grease, General Purpose, Wide Temperature Range*

### **PRODUCT DATA SHEET**

#### **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. *Castrol 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.

#### **TEMPERATURE RANGE**

From -54°C to 177°C (-65°F to 350°F).

#### **USES**

*Castrol 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.

#### **PACKAGING**

*Castrol Braycote® 622* is available in 35 pound pails.

#### **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).

**CASTROL BRAYCOTE® 622**  
**TYPICAL PROPERTIES**

<b>TEST ASTM</b>	<b>DESCRIPTION</b>	<b>RESULT</b>
D 217	Penetration, @ 25°C (77°F), mm <sup>-1</sup> Worked, 60 strokes	281
FTM 313	Worked Stability, Penetration, mm <sup>-1</sup> 100,000 strokes @ 25°C (77°F)	315
D 2265	Dropping Point, °C (°F)	275 (> 500)
FTM 5309	Copper Strip Corrosion, 24 hrs @ 100°C (212°F)	1a
D 2595	Evaporation Loss, % wt 22 hrs @ 176°C (349°F)	4.34
D 2266	Four-Ball Wear-Test, AWSD, mm 1200 rpm, 40 kgf, 1 hr, @ 75°C (167°F)	0.62
D 2596	Four-Ball Extreme Pressure Weld, kgf	45
D 1478	Low-Temperature Torque, N.m @ -54°C (-65°F) Starting Running, 1 hr	0.32 0.05
FTM 3005	Particulate Contamination, per mL 25-74 microns 75 microns or larger	72 None
D 1264	Water Washout @ 38°C, % Loss	>1
F 321	Oil Separation, 30 hours @ 350°F, % wt	>6
D 287	Specific Gravity @ 16/16°C (60/60°F) Pounds per Gallon @ 16°C (60°F)	0.882 7.34

Revised: March 14, 2001  
Rev 4

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Castrol Industrial North America Inc.  
**Specialty Products Division**  
1100 West 31<sup>st</sup> Street  
Downers Grove, Illinois 60515  
Telephone: **(800) 636-5823** Fax: **(630) 241-4140**