



Product Data

## Braycote 601 EF

Grease, Rust Preventive, Rocket Propellant Compatible

### Description

Castrol Braycote 601 EF is a smooth, buttery, translucent, off-white, NLGI #2 grease. Its base oil (Castrol Brayco® 815Z) is a perfluorinated polyether, with exceptional chemical resistance, extremely low volatility, and a wide temperature service range. The grease is non-toxic, nonflammable, and does not use any chlorofluorocarbons (CFC's) during product manufacture. This product exhibits unusually high load-carrying capabilities as measured by the Four-Ball EP Test, and contains a rust and corrosion inhibitor for extra component protection. Castrol Fluoroclean™ X100 or Castrol Fluoroclean™ HE can be used to remove this lubricant. Refer to the data sheets for these products for information regarding these products.

### Application

Braycote 601 EF is designed to operate in the presence of rocket fuels and oxidizers and high vacuum. It is frequently used in space applications including the Space Shuttle and satellites. It should also be considered in any application where a hostile chemical or extreme environmental conditions would preclude the use of an ordinary grease. Typical applications include ball and roller bearings, gears, and as an assembly lubricant for O-rings and elastomers. Perfluorinated greases, such as this product, exhibit excellent shelf life due to their intrinsic inertness.

### Additional Information

Temperature Range -80°C to 204°C (-112°F to 400°F) Limitations Braycote 601 EF is compatible with most commonly utilized materials, plastics, and elastomers. It may be adversely affected by Lewis Acid Catalysts such as aluminum chloride, at elevated temperatures. Newly exposed rubbing surfaces of aluminum, magnesium and titanium alloys may react with this product under certain conditions. Such systems should be thoroughly evaluated. Surfaces must be well cleaned of organic rust inhibitors prior to grease application to insure proper lubrication. This product is not recommended for use in applications under high vacuum with loads exceeding 100,000 psi for extended periods of time. Packaging Braycote 601 EF is available in 2 oz and 4 oz (AVDP) disposable polypropylene syringes, 1 lb jars, and 1.75 lb cartridges. A specially prepared "micronic", ultra clean version is available upon request. Approved to - Astrium MPS0051

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