



## Product Data

### Castrol Braycote 248 Corrosion Preventive Compound Petrolatum, Hot or Cold Application, Soft Film

#### Description

Castrol Braycote™ 248 is an amber colored, soft, grease like or waxy solid, which forms a soft transparent, flexible film on applied parts. It will not polymerize or harden after long exposure to the sun.

#### Uses

Braycote 248 is designed to protect machined, unpainted metal surfaces from the effects of indoor or shed exposure for periods of six months or more. It is especially suitable for the preservation of anti-friction bearings in storage or shipment.

#### Application

Braycote 248 may be applied by dipping at temperatures from 160°F to 180°F (71°C to 82°C). It may be brushed or swabbed on at room temperature when its consistency resembles a soft grease, or at elevated temperatures when it resembles an oil. Hot spray applications can be used for protecting large pieces of equipment that are too large in size for dipping applications. Optimal performance can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale.

#### Coverage

The coverage of Braycote 248 will widely vary dependent on the method of application and surface geometries. Approximate coverage and film thickness data for the different methods are given in the following table:

Method	Film Thickness Mils	Coverage Ft <sup>2</sup> /Gal
Quick Dip	30 to 60	30 to 50
Brush or Swab, Hot 160°F to 180°F (71°C to 82°C)	5 to 20	80 to 300
Brush or Swab	10 to 30	50 to 160
Hot Spray, per coat	3 to 10	160 to 500
Slow Dip 160°F to 180°F (71°C to 82°C) *	1.2 to 1.6	1000 to 1300

\* Parts allowed to reach the temperature of the compound before removal from the tank.

## Removal

Braycote 248 may be removed by solvent or steam cleaning.

## Packaging

Braycote 248 is available in 400 pound drums, 35 pound pails and 12/1 pound cases.

## Specifications

Braycote 248 meets the requirements of specification and is qualified to MIL-C-11796C, Class 3. This product is identified by NATO Code: C-627.

### Typical Characteristics

Test	Method	Units	MIL-C-11796C CLASS 3 REQUIREMENTS	Result
Penetration	ASTM D937		200-250	217
Melting Point	ASTM D127	°C/°F	57/135 Minimum	71/160
Flash Point	ASTM D92	°C/°F	177/350 Minimum	262/505
Sulfated Residue	ASTM D874	%	0.15 +/-0.05	0.19
Stability	Spec 4.6.2	Pass/Fail	No Separation or Foam	Pass
Volatility	Spec 4.6.3	%	1.0 Maximum	0.36
Miscibility with Grade 100 Mil-L-6082 Oil	Spec 4.6.5	Pass/Fail	No separation	Pass
Abrasives	Spec 4.6.6	ml (Pass/Fail)	0.05 Maximum	Pass
Applicability, thickness of coating	Spec 4.6.8.1	mils (Pass/Fail)	1.50 +/-0.2	Pass
Humidity Cabinet, 30 days minimum	Spec 4.6.8.1	Pass/Fail	Pass	Pass
Corrosiveness Aluminum Brass Cadmium Steel Magnesium Zinc Lead	Spec 4.6.8.3	mg/cm <sup>2</sup>	+/-0.2 Maximum +/-0.2 Maximum +/-0.2 Maximum +/-0.2 Maximum +/-0.5 Maximum +/-0.2 Maximum +/-1.0 Maximum	+0.019 +0.039 +0.0042 +0.049 +0.008 +0.0038 -0.063
Stain Test Original Material 5% Emulsion 15% Emulsion	Spec 4.6.8.4	Pass/Fail	Pass Pass Pass	Pass Pass Pass
Low Temperature Adhesion, -40°C/-40°F	Spec 4.6.9	Pass/Fail	Pass	Pass
Flow Point, 50-55 mils	Spec 4.6.10	°C/°F	54/130 Minimum	Pass

Subject to usual manufacturing tolerances.

Health, safety and environmental information are provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used Products. User accepts all risks and liabilities if the product is used other than in the manner, with the precautions, or for the purpose(s) specified. Before using the product other than directed, please contact Castrol ILS for consultation.

Braycote 248  
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