



Castrol Braycote 248

Corrosion Preventive Compound
Petrolatum, Hot or Cold Application, Soft Film

Description

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.

The coverage of Braycote 248 will widely vary dependent on the method of application and surface geometries. Parts allowed to reach the temperature of the compound before removal from the tank. Approximate coverage and film thickness data for the different methods are given in the following table:

Method	Film Thickness Mils	Coverage Ft ² /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

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	Spec 4.6.8.3	mg/cm ²	+/-0.2 Maximum	0.019
Brass			+/-0.2 Maximum	0.039
Cadmium			+/-0.2 Maximum	0.0042
Steel			+/-0.2 Maximum	0.049
Magnesium			+/-0.5 Maximum	0.008
Zinc			+/-0.2 Maximum	0.0038
Lead			+/-1.0 Maximum	0.063
Stain Test				
Original Material	Spec 4.6.8.4	Pass/Fail	Pass	Pass
5% Emulsion			Pass	Pass
15% Emulsion			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.

Additional Information

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.

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Castrol Industrial North America Inc. 150 West Warrenville Road, 605 3E Naperville, IL 60563
Tel: (877) 641 1600 Fax: (877) 648 9801

www.castrol.com/industrial

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