



ENGLISH

Datasheet

Polyurethane Coating



Description:

RS 199-1480 is a tough, flexible, modified polyurethane conformal coating, specifically designed for the protection of electronic circuitry. RS 199-1480 has excellent mechanical and dielectric properties.



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Features:

- High abrasion resistance; ideal for applications requiring a robust coating
- Solvent resistant coating even when room temperature cured
- Excellent adhesion operating over a wide temperature range

Specifications:

Approvals	RoHS-2 Compliant (2011/65/EU):	Yes
Liquid Properties	Appearance:	Clear amber liquid
	Density @ 20°C (g/ml):	0.90
	Flash Point:	38°C
	Solids content:	37%
	Viscosity @ 20°C (mPa s):	150 - 240
	Touch Dry:	40 - 45 minutes
	Recommended Drying Time:	24 hours @ 20°C 90 minutes @ 80°C
Dry Film Coating	Colour:	Clear amber
	Operating Temperature Range:	-55°C to +120°C
	Flammability:	Meets UL94-V0
	Dielectric Strength:	60 kV/mm
	Dielectric Constant:	3.9
	Surface Insulation Resistance:	1 x 10 ¹³ Ω
	Dissipation Factor @ 1MHz, 25°C:	0.01
	Moisture Resistance (MIL-1-46058C):	Meets approval
Packaging	Order Code	
250ml Bulk	RS 199-1480	



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Directions for Use

RS 199-1480 can be sprayed, dipped or brushed. The thickness of the coating depends on the method of application (typically 25-75 microns). Temperatures of less than 16°C or relative humidity in excess of 75% are unsuitable for the application of RS 199-1480. As is the case for all solvent based conformal coatings, adequate extraction should be used (refer to MSDS for further information). Substrates should be thoroughly cleaned before coating. This is required to ensure that satisfactory adhesion to the substrate is achieved. Also, all flux residues must be removed as they may become corrosive if left on the PCB.