



TECHNICAL DATA SHEET

RS 503-335 Contact Treatment Grease

RS 503-335 is a grease designed for use on electrical contacts to significantly increase contact performance and lifetime.

- Improves contact performance by increasing effective contact area
- Suitable for a range of plastics and rubbers (testing advised)
- Inhibited against oxidation and copper corrosion
- Excellent penetration and cooling properties; prevents arcing, thus reduces contact wear

Approvals **RoHS-2 Compliant (2011/65/EU):** **Yes**

Typical Properties

Colour	Beige
Density (g/ml)	1.10
Temperature Range (°C)	-30 to +125
Evaporation Weight Loss (% 7 days @ 100°C)	3.7
Copper Strip Corrosion (IP154 / ISO 2160)	≤1b
Drop Point (IP32 / ISO 2176 (°C))	250
Cone Penetration Worked (ASTM D217, 60 strokes @ 20°C)	320
Cone Penetration Un-worked (ASTM D 217 @ 20°C)	310
Consistency (NLGI)	1
Oil Bleed / Separation (IP121)	6%
Plastic Compatibility - ABS	Test
Plastic Compatibility - PC	Test
Base Oil	Poly Alkylene Glycol
Thickener	Clay
Water Content (%)	0.6
UV Trace	No

Packaging
35ml Syringe

Order Code
RS 503-335

Directions for Use

Before final treatment with lubricants, contact surfaces should be clean and dry. RS 503-335 can be applied by one of the following methods (although this list is not exhaustive): **Manually** by way of a syringe: **Semi-automated** using syringe dispensing. In production processes, contact lubricant should be applied to the contact components as soon as possible after manufacture or plating to protect against handling contamination and tarnishing. RS 503-335 can be used on all types of electrical contacts and with most types of thermoplastics. A small area should be tested first to ensure compatibility. RS 503-335 is a non-melting product that will not migrate from vertical surfaces and will provide greater environmental protection than the oil.