

Arathane[®] 5750A/5750B(3M5)

Urethane Conformal Coating with added additive to reduce de-wetting and surface retraction

Arathane[®] 5750A/5750B(3M5) is a variant of the popular Arathane[®] 5750A/B(LV) polyurethane conformal coating system produced by Huntsman Advanced Materials. The Arathane[®] 5750A/5750B(3M5) system is produced from the standard Arathane 5750A/B(LV) by adding fumed silica and has been found to reduce or eliminate retraction or de-wetting of coating during drying and curing. The fumed silica helps the coating to remain where it is applied without thinning or withdrawing during solvent evaporation and curing. It also is helpful for maintaining a more even uniform coating on the tops of plastic bodied components and around the corner of sharp edged components where the coating may tend to thin if applied in a single coat.

No differences in the cured properties of the coating have been detected compared to standard Arathane[®] 5750A/B(LV). The Arathane[®] 5750A/5750B(3M5)'s electrical and basic mechanical properties have been found to be within normal ranges. In addition, no measurable effect on the outgassing of the fully cured coating has been observed

APPLICATIONS & BENEFITS:

- Conformal Coating of Printed Circuit Boards
- Low modulus - excellent for use with stress-sensitive and cryogenic components
- Allows for inspection and identification under black light
- Improved retraction resistance & helps to provide a more even coating on plastic bodied & sharp edged components.
- Repairable
- Highly resistant to reversion even with high heat and humidity exposure
- Low outgassing for use in optical, space and other high vacuum environments. (Meets NASA and ESA requirements)

Properties

All processing, physical properties, mechanical properties, and electrical properties are unaffected by the added 3% by weight of untreated fumed silica in the Arathane[®] 5750A/5750B(3M5). Refer to Arathane 5750A/B(LV) Technical datasheet and Arathane 5750A/B(LV) supplemental Processing Guide for property, mix ratio, and other information.

The only change to any processing details using this system instead of the standard Arathane 5750 is that we recommend mixing the Arathane 5750B(3M5) prior to use to ensure that the fumed silica is uniformly distributed as it may sediment slightly over time.

DISCLAIMER:

IMPORTANT: The following supersedes Buyer's documents. **SELLER / MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller / Manufacturer be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results presented are based on controlled or laboratory work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended

NOTE: Arathane® is a registered trademark of Huntsman Advanced Materials. SP&S is the authorized distributor and authorized packager for the Arathane® 5750A/B(LV) and is the manufacturer of Arathane® 5750B(3M5) component. Huntsman Advanced Materials does not in any endorse or certify any of the information presented herein which is supplied solely by SP&S.

Specialty Polymers & Services, Inc. (SP&S)

27822 Fremont Court

Valencia, CA 91355

www.spolymers.com

Tel: 661-294-1790

Fax: 661-294-0640

info@spolymers.com