



Atlas Minerals & Chemicals, Inc.



DATA SHEET

RS-6 (11-94)
Supersedes RS-6 (9-3-91)

RS-6 BATTERY SEALANT

DESCRIPTION

ATLAS Battery Sealants RS-6 are reactive styrene adhesives used for sealing ABS, SAN and other styrene polymer plastic battery cases and covers. RS-6 is available in a standard viscosity range and a high build viscosity.

PACKAGING AND COVERAGE

Unit consisting of:

- One - 1 Qt. (700 g.) can Resin
- One - 2 oz. (35 g.) bottle Hardener
- One - 1 oz. (11.7 g.) bottle Promoter
- Volume coverage approx. 45 cubic inches

Unit consisting of:

- One - 5 Gal. (37 lb. [16.8 kg.]) pail Resin
- One - 1 Qt. (1 lb. 12 oz. [794 g.]) bottle Hardener
- One - 1 Pint (10 oz. [283 g.]) can Promoter
- Volume coverage approx. 1,030 cubic inches

MIXING AND APPLICATION

Battery Sealant RS-6 is supplied as three components, resin, hardener and promoter, which are mixed in ratio as follows: 100 parts resin, 1.7 parts promoter, and 5.0 parts hardener by weight, respectively, at time of use. All components must be warmed to approximately 70°F to 75°F (21°C to 24°C) before mixing. The mixed sealant gradually thickens over a period of hours and is gelled in 12 to 16 hours at room temperature. **Note:** Promoter must be premixed with the resin prior to adding the hardener. Never mix promoter and hardener together.

CLEANING OF EQUIPMENT

Solvents, such as methyl ethyl ketone, toluene and xylene will have to be used for cleaning of equipment and tools immediately after use. Dispose of residue and solvent waste in accordance with the directions in the Material Safety Data Sheets and government regulations.

STORAGE LIFE

Six months in dry storage in unopened, original containers and under temperature controlled conditions. The ideal storage temperature is 55°F (13°C). Higher temperatures reduce storage life. Always store in a well ventilated area.

PHYSICAL PROPERTIES

PROPERTY	STANDARD VISCOSITY	HIGH BUILD VISCOSITY
Viscosity @ 77°F (25°C), Brookfield RVF (Spindle # / Speed)	37,000-47,000 cps. (6 / 10 RPM)	60,000-80,000 cps. (6 / 10 RPM)
Weight / Gallon	7.6 lb.	7.6 lb.
Color	Black	Black

MIXED COMPONENT PROPERTIES

Cure Time, 1/2" x 2" dia. Disc, Cured 16 hrs. @ 150°F (66°C)	Shore-D Hardness = 65 minimum
Specific Gravity	1.06
Color	Black

PRECAUTIONS

The materials described herein are for Industrial Use Only. They contain materials that present handling and potential health hazards. Consult Material Safety Data Sheets and the container labels for complete precautionary information before using.

TECHNICAL SERVICE

ATLAS maintains a staff of Technical Service Representatives who are available to assist you with the use of ATLAS products. In the event of any difficulties of any job with the use of ATLAS materials, the job should be stopped immediately and ATLAS' Technical Service Department consulted for assistance.

WARRANTY

ATLAS warrants that its products will be free from defects in workmanship and materials under normal use for a period of one (1) year from the date of shipment by ATLAS (provided the products are installed before the expiration of the shelf life). THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR THE PURPOSE FOR THIS PRODUCT WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ATLAS' LIABILITY FOR ALLEGED BREACH OF THIS WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT (BUT NOT INCLUDING REMOVAL OF THE DEFECTIVE PRODUCT OR INSTALLATION OF REPLACEMENT PRODUCTS). ATLAS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES DURING THE WARRANTY PERIOD OR THEREAFTER. **ATLAS' WARRANTY IS VOIDED IF PAYMENT FOR PRODUCT IS NOT RECEIVED IN FULL.**

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