

SE878

Description

SE878 Silicone Rubber is a 65 durometer semi-conductive compound, which provides low volume resistivity and tack free surfaces in molded and extruded articles. SE878 is supplied as a three component system which, when properly blended, can be vulcanized by conventional curing methods including hot air.

Key Features and Benefits

- Semi-conductive
- Three part system
- Addition cure technology
- Electrically conductive for EMI shielding & static bleed
- Tight surface cure

Typical Physical Properties

Cured Properties	
ASTM slabs cured 10 min @ 177°C (350°F)	
Color	Black
Specific Gravity	1.2
Hardness, Shore A durometer	65
Tensile Strength, psi	700
100% Modulus, psi	430

Elongation, %	250
Tear Die B, ppi	80
Volume Resistivity, ohms	1.9

Instructions for Use

Milling/Mixing

- Before mixing SE878, the mill should be thoroughly cleaned.
- Cooling water must be maintained through the mill rolls during the mixing process.
- Each Silicone ingredient - SE878U, CA-2, and XL-2 should be freshened separately.
- Cross blend milled batch at least ten times to insure complete CA-2 and XL-2 dispersion.
- Catalyzed compound should be consumed within 48 hours of initial mixing to avoid excessive structure formation.

Cure Rate

- Check the scorch time of each SE878 batch on a rheometer to make sure that it meets fabrication requirements.
- The addition of fillers and process aids to SE878 may cause cure variation.

Extrusion

- HAV cure SE878 above 385°C (725°F)
- SE878 must reach a minimum temperature of 182°C (360°F) for 30 seconds for cross-linking to be initiated.

Oven Cure

Oven cure at 175°C (347°F) for two hours minimum to stabilize properties and improve compression set.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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