



Technical Data Sheet

XIAMETER™ E391-06 Silicone Rubber

XIAMETER™ E391-06 Silicone Rubber is a peroxide cure HCR compound with a white appearance that can be used in electrical and non-electrical textile coating applications.

Features & Benefits

- Excellent physical & electrical properties
- Good flexibility and resilience at low temperatures (-60°C)
- Good resistance to moisture, ozone & corona

Applications

- Textile coating applications
- Requires solvent dispersion before dip or knife coating applications

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

| Test ¹ | Property | Unit | Result |
|-------------------|------------------|-------------------|--------|
| ASTM D 792 | Specific gravity | g/cm ³ | 1.17 |
| ASTM D 5289-92 | MDR (T10) | s | 8.53 |
| ASTM D 5289-92 | MDR (T90) | s | 67.6 |
| ASTM D 5289-92 | MDR (ML) | Lblnch | 0.442 |
| ASTM D 5289-92 | MDR (MH) | Lblnch | 1.97 |

1. ASTM: American Society for Testing and Materials. Materials were tested according to Dow Corporate Test Methods (CTM), which in most cases are similar to the ASTM or ISO standard(s) listed above. Copies for CRMs are available on request.

Recommended cure conditions: 5 minutes at 125°C followed by 5 to 10 minutes at 250°C but this should be verified for each application by the user.

Description

XIAMETER™ E391-06 Silicone Rubber is a peroxide cure, white appearance, HCR compound that can be used in textile coating applications.

How to Use

This product is ready to use and fully formulated, however, it does require solvent dispersion before knife or dip coating of fabric. Cure and processing conditions should be verified by the fabricator and will depend on the processing equipment used.

**Handling
Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

**Usable Life and
Storage**

When stored at or below 32°C (90°F) in the original unopened containers, this product has a usable life of 6 months from the date of production.

**Packaging
Information**

This product is packed into plastic lined 20 kg boxes and then overpacked (8 boxes) into a 250 kg boxes.

Samples are available.

Limitations

Not intended for human injection. Not intended for food use.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health and
Environmental
Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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