



## Technical Data Sheet

### XIAMETER™ RBL-9110 Liquid Silicone Rubber

35 durometer liquid silicone rubber

#### Features & Benefits

- Liquid silicone rubber
- Pigmentable

#### Composition

- Liquid silicone rubber (LSR)

#### Applications

- Textile screen printing

#### Typical Properties

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

Test <sup>1</sup>	Property	Unit	Result
<b>As supplied</b>			
CTM 0050	Viscosity	Pa.s	60
<b>As cured<sup>2</sup></b>			
JIS K 6249	Density	g/cm <sup>3</sup>	1.11
JIS K 6249	Hardness, JIS type A		35
JIS K 6249	Tensile strength	MPa	8.4
JIS K 6249	Elongation	%	520

1. CTM: Corporate Test Method, copies of CTM's are available on request.  
JIS: Japanese Industrial Standard.
2. Cure condition: Add 0.2 PHR DOWSIL™ SRX 212 Catalyst and hot-press 5 min. at 150°C.

#### How to Use

##### Mixing and De-airing

XIAMETER™ RBL-9110 Liquid Silicone Rubber is supplied excluding catalyst. Mix XIAMETER™ RBL-9110 Liquid Silicone Rubber and DOWSIL™ SRX 212 Catalyst in a 1:0.002 weight ratio. If air bubbles are entrapped during mixing, the mixture must be thoroughly de-gassed under vacuum.

##### Cleaning

The uncured silicone can readily be removed by most hydrocarbon solvents. Polar solvents, such as ketones and alcohols, are not suitable.

<b>How to Use (Cont.)</b>	<p><b>Curing</b></p> <p>XIAMETER™ RBL-9110 Liquid Silicone Rubber cures rapidly at elevated temperatures. Standard cure temperature is around 120°C (248°F), and its cure time depends on the thickness of the final products.</p>
<b>Inhibition of Cure</b>	<p>The cure mechanism of this product can be inhibited by contact with certain materials, such as amines, sulfurs, phosphorus, tin complexes and some peroxides.</p>
<b>Handling Precautions</b>	<p>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.</p>
<b>Limitations</b>	<p>This product is neither tested nor represented as suitable for medical or pharmaceutical uses.</p>
<b>Health and Environmental Information</b>	<p>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.</p> <p>For further information, please see our website, <a href="http://dow.com">dow.com</a> or consult your local Dow representative.</p>
<b>Disposal Considerations</b>	<p>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.</p> <p>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.</p>
<b>Product Stewardship</b>	<p>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.</p>
<b>Customer Notice</b>	<p>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.</p>

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