



XIAMETER® Brand Products for Textile Application

Silicone Fabric Coatings from XIAMETER® brand

Silicone coatings provide unique functional benefits in a variety of apparel items. Their anti-slip properties make them suitable for strapless stockings and bras, socks and pant waistbands. Yet they are comfortable products, suitable for skin contact. Silicone coatings are also used to modify the “touch” or look of fashion apparel. Their UV and water resistance, water repellence, breathability and wash durability provide added value to many garments, including sportswear.

XIAMETER® brand silicone fabric coatings are available as room temperature vulcanizing (RTV) and liquid silicone rubber (LSR) elastomers. They can be invisible, transparent, pigmented or glossy; they have relatively high surface grip, are solvent-free, easy to process and offer better flexibility than organic

coatings. They have very good adhesion to a wide variety of fabrics.

RTV Elastomer Features & Benefits

- Anti-slip at low Shore hardness
- Low modulus
- High elongation
- Transparent
- 100 percent solids; typically one-part systems
- Cure in ambient conditions

LSR Elastomer Features & Benefits

- High tensile and tear strength
- Transparent or pigmented, glossy
- 100 percent solids; typically two-part systems
- Cures rapidly at elevated temperatures

Product Properties and Applications

XIAMETER® brand Product	Description	Applications
Room Temperature Vulcanizing Elastomers		
<i>Dow Corning® 732</i> multi-purpose sealant	Viscous, one-part colorless paste with high elongation, tensile and tear strength	Permanent crease coating for pants
<i>Dow Corning® 734</i> flowable sealant	Flowable, low-viscosity, one-part colorless coating with medium elongation	Narrow fabric coating; high-grip applications, such as trouser waistband and brassieres
Liquid Silicone Rubbers		
XIAMETER® RBL-9252-250 P	Two-part (10:1 mix ratio), clear, solvent-free fumed silica systems with high transparency, tensile and tear strength	Sportswear; high-grip applications, such as glove coating
<i>Dow Corning® 3631</i> Part A&B	Two-part (1:1 mix ratio), clear, solvent-free fumed silica system with high elongation, high transparency and 100% Oeko-tex compliant	Narrow fabric coating; high-grip applications

Coating Selection Guide

XIAMETER® brand Product	Elongation at Break, percent	Color after Curing	Tensile Strength, MPa	Tear Strength, kN/m	Modulus, 100%, MPa	Transparency ¹	Durometer, Shore A	Viscosity, mPa-s	Tack-Free Time, minutes	Skin-Over Time, minutes
Room Temperature Vulcanizing Elastomers										
<i>Dow Corning®</i> 732 multi-purpose sealant	550	Clear	2.2	5	0.4	**	25	Paste	20	5-10
<i>Dow Corning®</i> 734 flowable sealant	315	Clear	1.5	3	—	**	27	45,000	13	7
Liquid Silicone Rubbers										
XIAMETER® RBL-9252-250 P	280	Crystal Clear	4.3	6	1.0	***	36	25,000	N/A	N/A
<i>Dow Corning®</i> 3631 Part A&B	800	Crystal Clear	5.0	16	0.28	***	19	90,000	N/A	N/A

¹ All ratings are relative to each other. Best = ***** Worst = *

These values are not intended for use in preparing specifications.

Contact Us

Visit www.xiameter.com to learn more about the many product options available to you from the XIAMETER® brand.

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