



QSi offers a series of liquid silicone rubber, silicone gels and one-part RTV adhesives to benefit multiple prosthetic applications. Specialty products are also available to enhance physical properties, as well as alter certain specifications or cure profiles of your silicone.

Applications

Liners

Silicone Skin / Outer Coverings

Prosthetic Body Part Replacement

Distal Pads / Added Cushioning

Mastectomy Prostheses

Our team focuses on building strong relationships and asking you important questions to pinpoint and recommend optimal silicone technology for your application.

Finding the right silicone for your application is not limited to our portfolio. Our technologists accept opportunities to either modify specifications in an existing product or will custom formulate a new product to meet your requirements.

QUANTUM SILICONES

SILICONE TECHNOLOGY FOR PROSTHETIC APPLICATIONS

Applications

Liners

Product	Description
True Skin® Silicone Series	Liquid silicone rubber with a 10 to 30 durometer range • Customizable durometers • Easily pigmentable • Can be molded for customized fitting • Low to no bleed with diluent added • Low viscosity for faster dispensing • Cure times can be customized to meet production requirements
QSiL Smooth Coat	A clear low friction matte coating • Can be used in place of fabrics
AS1525	Fast curing one-part RTV adhesive to bond fabrics • Bond or repair silicone skin materials • Fast tack free time • Easily pigmentable to apply paints
QGel 314	Reusable pressure sensitive type gel
QGel 326, QGel 329	Soft, durable gels for added cushioning / distal pads
QSiL 210	Translucent, skin-like addition (platinum) cure silicone
QM 240T	High durometer • High tear strength • Excellent clarity



Silicone Skins / Outer Coverings

Product	Description
True Skin® Silicone Series	Liquid silicone rubber with a 10 to 30 durometer range • Customizable durometers • Easily pigmentable • Can be molded for customized fitting • Low to no bleed with diluent added • Low viscosity for faster dispensing • Cure times can be customized to meet production requirements
AS1525	Fast curing one-part RTV adhesive to bond fabrics • Bond or repair silicone skin materials • Fast tack free time • Easily pigmentable to apply paints
QSiL 210	Translucent, skin-like addition (platinum) cure silicone
QM 240T	High durometer • High tear strength • Excellent clarity



Applications, Products & Specifications

Prosthetic Body Part Replacement

Product	Description
True Skin® Silicone Series	Liquid silicone rubber with a 10 to 30 durometer range • Customizable durometers • Easily pigmentable • Can be molded for customized fitting • Low to no bleed with diluent added • Low viscosity for faster dispensing • Cure times can be customized to meet production requirements
QSiL 210	Translucent, skin-like addition (platinum) cure silicone
AS1525	Fast curing one-part RTV adhesive to bond fabrics • Bond or repair silicone skin materials • Fast tack free time • Easily pigmentable to apply paints
QGel 314	Reusable pressure sensitive type gel
QM 240T	High durometer • High tear strength • Excellent clarity



Addition (Platinum) Cure Silicones with 1:1 Mix Ratio Liners for Upper & Lower Extremities • Silicone Skins & Outer Coverings • Prosthetic Body Part Replacement						
Product	Description	Durometer ¹	Viscosity ¹	Work Life @ 25C ¹	Tear Strength ¹	Elongation ¹
True Skin® 10	Translucent, moldmaking silicone rubber with a demold time of 6 - 8 hours. Pigment can be added to apply as a paint.	10, Shore A	5,000 cps	20 mins	90 ppi	1000%
True Skin® 20		20, Shore A	10,000 cps	20 mins	70 ppi	1000%
True Skin® 30		30, Shore A	15,000 cps	20 mins	60 ppi	1000%

Moldmaking Silicones with Higher Durometers Addition (Platinum) Cure Grades with 10:1 Mix Ratio						
QM 231	Molding and casting parts	30, Shore A	50,000 cps	300 mins	91 ppi	511%
QM 240T		40, Shore A	60,000 cps	45 mins	120 ppi	350%
QM 262		60, Shore A	35,000 cps	60 mins	90 ppi	150%
QM 280		80, Shore A	90,000 cps	60 mins	75 ppi	75%
Stretch FX		22, Shore A	10,000 cps	32 mins	100 ppi	1200%

Condensation (Tin) Cure Moldmaking Silicones with 10:1 Mix Ratio	
The QM 100 Series	Durometer Range: ~ 6 - 40, Shore A • Work Life Range: ~ 5 - 50 mins • Viscosity Range: ~ 10,000 - 50,000 cps • Demold Time Range: ~ 5 - 24 hours To view the complete QM 100 series and download technical datasheets, please visit Find Products: Moldmaking at www.quantumsilicones.com

• ¹Typical catalyzed properties

Applications, Products & Specifications

One Part & Two Part RTV Silicone Adhesives Bonding / Repairing Silicone Skins & Outer Coverings • Applying Paints & Pigments

Product	Description	Durometer ¹	Rheology	3 mm Cure Through
AS1525	Acetoxy, translucent, fast curing, one-part RTV adhesive	30, Shore A	Flowable	< 24 hours

Addition (Platinum) Cure Silicone Gel with 10:1 Mix Ratio

Product	Description	Typical Properties:
QGel 314	Translucent, reusable pressure sensitive type gel	60,000 cps Viscosity • 25, Shore 00 Durometer

Distal Pads / Added Cushioning

Product	Description
True Skin® Silicone Series	Liquid silicone rubber with a 10 to 30 durometer range • Customizable durometers • Easily pigmentable • Can be molded for customized fitting • Low to no bleed with diluent added • Low viscosity for faster dispensing • Cure times can be customized to meet production requirements Translucent, reusable pressure sensitive type gel
Diluent Fluid	Add diluent fluid to the 10 durometer True Skin® grade to create desired softness
QGel 314	Reusable pressure sensitive type gel



Mastectomy Prostheses

Product	Description
True Skin® Silicone Series	Liquid silicone rubber with a 10 to 30 durometer range • Customizable durometers • Easily pigmentable • Can be molded for customized fitting • Low to no bleed with diluent added • Low viscosity for faster dispensing • Cure times can be customized to meet production requirements
QGel 314	Reusable pressure sensitive type gel
QGel 326, QGel 329	Soft, durable gels
AS1525	Fast curing one-part RTV adhesive to bond fabrics • Bond or repair silicone skin materials • Fast tack free time • Easily pigmentable to apply paints



Products & Specifications

Soft, Resilient Silicone Gels Distal Pads / Added Cushioning • Mastectomy Prostheses

Product	Description	Mix Ratio	Viscosity ¹	Gel Time @ 25C ¹
QGel 310	Very soft gel	hours	1,000 cps	45 mins
QGel 314	Reusable pressure sensitive type gel	10:1	60,000 cps	2 hours
QGel 317	Soft, durable gels	1:1	1,000 cps	7 mins
QGel 326	Soft, durable gels	1:1	875 cps	2.5 mins
QGel 329	Soft, durable gels	1:1	950 cps	120 mins

Liquid Silicone Rubber with 10:1 Mix Ratio

Product	Description	Durometer	Viscosity	Gel Time @ 25C ¹
QSiL 210	Translucent, skin-like silicone rubber	10, Shore A	38,000 cps	60 mins

- ¹Typical catalyzed properties

Specialty Product Enhancers

Product	Description
QSiL Smooth Coat	A coating with a matte finish to reduce friction. Can be applied by spraying, dipping or brushing.
Diluent Fluid	Polydimethylsiloxane fluid to lower viscosity and durometer for acquiring desired softness of silicone rubber.
Primers	QSiL Primer #3 Clear, QSiL Primer #5, QSiL Primer #7: Increase adhesion to a variety of substrates.
Pot Life Extender	A cure rate modifier is available to allow more time if needed to pour and fill molds.



Interested in more product details?
We'd love to hear from you! 800-852-3147
www.quantumsilicones.com

QUALITY | SERVICE | INNOVATION

WE TAKE PRIDE IN SERVING YOU

- Take advantage of consulting one on one with our sales and technology team.
- QSi demonstrates a distinctive flexibility, whether it's modifying existing product specifications or developing a new product specifically designed for your unique application.
- Our worldwide distributor network provides local inventory, which means reduced transit times and lower shipping costs for you.
- Rely on our prompt, product development time.
- Our team welcomes your feedback because we are always striving to make innovative improvements.

QSi is committed to providing you with superior service and the highest quality silicone products available. Our certification to the ISO 9001 standard ensures that we are always working towards continual improvement in every way.

We also have a stringent product testing protocol that uses ASTM standard test methods. Based on your specifications, products must meet certain criteria throughout production and prior to its release. A Certificate of Analysis will accompany every shipment you receive.



To view QSi's complete product portfolio or to request product samples, please visit www.quantumsilicones.com

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Call us toll-free today
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