

REBOUND® 40

Silicone

Smooth-On, Inc

Message:

Rebound® 25 and Rebound® 40 are easy-to-use platinum-cure silicone rubbers which self-thicken for making brush-on molds of almost any model. Mixed 1A:1B by volume (no scale necessary), Rebound® rubber can be applied with a brush or spatula to vertical surfaces without sagging and will cure with negligible shrinkage to a flexible rubber.

Rebound® 25 is soft, flexible and is good for making molds of models with deep undercuts. Depending on model configuration, Rebound® 25 can be inverted as a glove molds. Rebound® 40 is harder and less flexible. These products are compatible. For example, you can apply two coats of Rebound® 25 and back it up with two coats of Rebound® 40.

Advantages Over Urethane Brush-On® Rubber: (a) Rebound® will not stick to most surfaces, so surface preparation is minimal, (b) Two liquids that mix easily together, (c) stands up better to production casting of resins and low temperature melt metal alloys and (d) has a long library life.

4 thin layers are all that is necessary to make a flexible, strong and durable production mold for casting wax, gypsum, concrete or resins (urethane, polyester, etc.). And because Rebound® is a platinum silicone, it will last for many years in your mold library. Applications include reproducing sculpture, architectural restoration, making candle molds, casting pewter, etc.

General Information			
Features	Good Flexibility		
	Good Strength		
	Good Stretchability		
	Low Shrinkage		
	Soft		
Uses	Modeling Material		
Appearance	Green		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D1475
Specific Volume	0.849	cm ³ /g	ASTM D1475
Cure Time	6.0	hr	
Molding Shrinkage - Flow	< 0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3.35	MPa	ASTM D412
Tensile Elongation (Break)	320	%	ASTM D412
Tear Strength ¹	18.6	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 1.0		
Part B	Mix Ratio by Weight: 1.0		
Pot Life	20	min	ASTM D2471
NOTE			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

