

Mold Max® Stroke

Silicone
Smooth-On, Inc

Message:

Mold Max® Stroke® is a brushable tin silicone rubber that self-thickens for making fast brush-on molds of almost any model. Properly applied, it will hold a vertical surface and will reproduce the finest detail. Mixed 100A:10B by weight, rubber quickly develops thixotropy and can be applied with a brush or spatula. Working time is 20 minutes, re-coat time is 45 minutes and cure time after the final layer has been applied is 16 hours at room temperature. Mold Max® Stroke® silicone will not stick to most surfaces and will cure with negligible shrinkage to a strong, flexible Shore 30A rubber. 4 thin layers is all that is necessary to make a strong and durable production mold for casting wax, gypsum, concrete or resins (urethane, polyester, etc.). Applications include reproducing sculpture, architectural restoration, candle molds, etc.

General Information			
Features	Durable		
	Good Flexibility		
	Good Strength		
	Low Shrinkage		
Uses	Modeling Material		
Appearance	White		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D1475
Specific Volume	0.849	cm³/g	ASTM D1475
Mixing Ratio	100A:10B by weight		
Molding Shrinkage - Flow	0.20	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	30		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.758	MPa	ASTM D412
Tensile Strength (Break)	3.98	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Tear Strength ¹	21.9	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	20	min	ASTM D2471
Demold Time (23°C)	960	min	
NOTE			
1.	Die B		

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Recommended distributors for this material

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