

Mold Max® 27T

Silicone
Smooth-On, Inc

Message:

Mold Max® 10T, 15T and 27T silicone are water white translucent tin cured silicone rubber compounds that have exceptional tear strength and working properties. They feature Smooth-On's "Libra®" catalyst for long library life. Mixed 100A:10B by weight, vacuum degassing is recommended for de-airing. Rubber cures overnight at room temperature.

Similar in appearance to Smooth-On's premium Dragon Skin® platinum silicones, Mold Max® 'T' silicones are a less costly alternative for creating animatronic skin effects. Mold Max® 'T' silicones can be thickened with Thi-Vex® ii thickener for brush-on application and effects. An infinite number of color effects can be achieved by adding Silc Pig® silicone pigments or Cast Magic® effects powders.

Mold Max® 'T' series silicones are also good for making molds used for casting plaster and wax.

General Information			
Features	Good Colorability		
	Good Tear Strength		
Uses	Modeling Material		
Appearance	Translucent		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm³	ASTM D1475
Specific Volume	0.903	cm³/g	
Mixing Ratio	100A:10B by weight		
Operating Temperature	-54 to 204	°C	
Molding Shrinkage - Flow	0.20	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	27		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.448	MPa	ASTM D412
Tensile Strength (Break)	3.96	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength ¹	19.3	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 20	kV/mm	ASTM D149
Thermoset	Nominal Value	Unit	Test Method
Pot Life	45 to 55	min	
Thermoset Mix Viscosity	30000	cP	ASTM D2393
Demold Time	1400	min	
NOTE			
1.	Die B		

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