

# RTV-2 XT-551

Silicone Rubber, RTV-2

Silicones, Inc.

Message:

XT-551, is a rapidly curing tin-catalyzed RTV-2 silicone rubbers. It offers a working time of one hour, a demold time of 4 hours and are virtually cured in 8 hours at 70°F / 50% Relative Humidity. The rapid cure allows two pours in one day. This product cures with very low shrinkage and has an outstanding library life. It also has a relatively high modulus making it an excellent choice for prototyping.

General Information		
Features	Fast Cure	
	Low Shrinkage	
Uses	Prototyping	
Forms	Liquid	
Physical	Nominal Value	Unit
Specific Gravity	1.09	g/cm <sup>3</sup>
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 10	
Part B	Mix Ratio by Weight: 100	
Shelf Life	26	wk
Thermoset Mix Viscosity	25000 to 35000	cP
Uncured Properties	Nominal Value	Unit
Color <sup>1</sup>	White	
Viscosity <sup>2</sup>	50 to 70	Pa · s
Curing Time	4.0	hr
Pot Life	60 to 90	min
Cured Properties	Nominal Value	Unit
Shore Hardness		
Shore A <sup>3</sup>	6 to 10	
Shore A <sup>4</sup>	25 to 30	
Shore A <sup>5</sup>	30 to 35	
Shore A <sup>6</sup>	30 to 35	
Shore A <sup>7</sup>	32 to 35	
Shore A <sup>8</sup>	32 to 35	
Tensile Strength	2.76 to 3.45	MPa
Tensile Elongation at Break	350 to 450	%
Tear Strength	14.0 to 21.0	kN/m
NOTE		
1.	Base	
2.	Base	

3.	After 4 Hours
4.	After 6 Hours
5.	After 1 Day
6.	After 8 Hours
7.	After 7 Days
8.	After 3 Days

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#### Recommended distributors for this material

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