

# Smooth-On Sil-Poxy®

Rubber

Smooth-On, Inc

## Message:

Sil-Poxy® is a one component adhesive made specifically for bonding RTV silicone rubber to silicone rubber and other substrates including some plastics (urethane), plasters/ceramics, fabrics, etc. Sil-Poxy® will work with tin- or platinum-cure silicones and provides a strong, flexible bond between silicone parts with high elongation. Can be colored with Silc-Pig® silicone pigments. Cured adhesive resists weathering, moisture, UV and high temperatures. Sil-Poxy® can be used repairing torn silicone rubber molds. Other applications include bonding silicone for prosthetics and animatronics.

General Information			
Features	Bondability		
	Good Flexibility		
	Good UV Resistance		
	Good Weather Resistance		
	High Elongation		
	High Heat Resistance		
Uses	Adhesives		
	Bonding		
	Repairing Material		
Appearance	Translucent		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm³	ASTM D792
Viscosity	Thick-paste		
Peel Strength	17.5	kN/m	
Work Time (23°C)	5.0	min	
Operating Temperature	-46 to 204	°C	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	5.17	MPa	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Tear Strength	17.5	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	
Demold Time (23°C)	12	min	

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Recommended distributors for this material

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