

# RTV-2 XP-268

Silicone Rubber, RTV-2

Silicones, Inc.

## Message:

XP-268 is a very high durometer, high modulus, platinum-catalyzed, RTV-2 silicone rubber designed for casting polyurethanes and epoxies. It is easy to mix and de-air, and will cure with virtually no shrinkage. The speed at which the rubber hardens can be dramatically accelerated with heat or with Pt Accelerator at room temperature. Addition-cure two-component silicone rubbers may show inhibition sensitivity. XP-268 offers outstanding chemical and heat resistance and the rigidity to withstand the expansion of most polyurethane foams.

General Information			
Features	Good Chemical Resistance		
	High Heat Resistance		
	Low Shrinkage		
	Medium Rigidity		
Forms	Liquid		
Physical	Nominal Value	Unit	
Specific Gravity	1.28	g/cm³	
Thermal	Nominal Value	Unit	
Service Temperature - Cured	-51 to 343	°C	
Coverage - Cured	0.788	cm³/g	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Weight: 1.0		
Hardener	Mix Ratio by Volume: 13		
	Mix Ratio by Volume: 10		
Resin	Mix Ratio by Volume: 100		
Shelf Life	26	wk	
Thermoset Mix Viscosity	70000 to 80000	cP	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- 1	Blue		
-- 2	Tan		
Viscosity			
-- 3	1.0 to 2.0	Pa·s	
-- 4	140 to 170	Pa·s	

Curing Time	16 to 24	hr	
Pot Life	120 to 180	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness			
Shore A <sup>5</sup>	66 to 74		
Shore A <sup>6</sup>	66 to 74		
Shore A <sup>7</sup>	73 to 81		
Tensile Strength	5.17 to 6.55	MPa	ASTM D412
Tensile Elongation at Break	100 to 150	%	ASTM D412
Tear Strength	11.4 to 14.9	kN/m	ASTM D624

#### NOTE

- |    |                 |
|----|-----------------|
| 1. | Activator       |
| 2. | Base            |
| 3. | Activator       |
| 4. | Base            |
| 5. | 7 Days          |
| 6. | 1 Day           |
| 7. | 2 Hours @ 150°F |

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