

RTV-2 GI-384

Silicone Rubber, RTV-2

Silicones, Inc.

Message:

GI-384 is a high tear strength, tin-catalyzed RTV-2 silicone rubber, which was designed for casting solid polyurethane resins, polyurethane foams and other plastic parts. GI-384 is not sensitive to inhibition, meaning it will cure at room temperature over virtually any surface. It is easy to mix and de-air, and will cure with only a slight degree of shrinkage. The speed at which the rubber hardens can be accelerated with special activators. GI-384 is extremely useful for those applications where a strong flexible rubber is required.

General Information			
Features	Good Tear Strength		
	Low Shrinkage		
Uses	Molds/Dies/Tools		
Forms	Liquid		
Physical	Nominal Value	Unit	
Specific Gravity	1.10	g/cm³	
Shrinkage - Cured	0.10	%	
Service Temperature - Cured	-51 to 177	°C	
Coverage - Cured	0.910	cm³/g	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Weight: 5.0		
Hardener	Mix Ratio by Volume: 5.6		
	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Volume: 100		
Shelf Life	26	wk	
Thermoset Mix Viscosity ¹	10000 to 20000	cP	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- ²	Red		
-- ³	White		
Viscosity			
-- ⁴	0.30 to 0.40	Pa·s	
-- ⁵	25 to 40	Pa·s	
Curing Time	16 to 18	hr	

Pot Life	60 to 120	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness			
Shore A ⁶	21 to 29		
Shore A ⁷	26 to 34		
Tensile Strength	2.93 to 3.28	MPa	ASTM D412
Tensile Elongation at Break	400 to 450	%	ASTM D412
Tear Strength	17.5 to 26.3	kN/m	ASTM D624
NOTE			
1.	Mixed		
2.	Activator		
3.	Base		
4.	Activator		
5.	Base		
6.	1 Day		
7.	7 Days		

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