

RTV-2 GI-1040

Silicone Rubber, RTV-2

Silicones, Inc.

Message:

GI-1040 is a high tear strength, tin-catalyzed RTV-2 silicone rubber, which was designed for casting polyurethane foam parts. GI-1040 has a Shore A Hardness of 40, giving it the ability to resist distortion due to the expansion of the foam. GI-1040 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-1040 is also excellent for casting solid urethanes, polyesters and epoxies where a free standing mold that can maintain a straight edge 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	0.20	%	
Service Temperature - Cured	-51 to 177	°C	
Coverage - Cured	0.910	cm³/g	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 1.0		
	Mix Ratio by Volume: 11		
Resin	Mix Ratio by Weight: 10		
	Mix Ratio by Volume: 100		
Shelf Life	26	wk	
Thermoset Mix Viscosity	50000 to 65000	cP	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- 1	Blue		
-- 2	Off White		
Viscosity			
-- 3	0.30 to 0.40	Pa·s	
-- 4	90 to 110	Pa·s	
Curing Time	16 to 18	hr	

Pot Life	90 to 150	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness			
Shore A ⁵	26 to 34		
Shore A ⁶	36 to 44		
Tensile Strength	3.45 to 3.79	MPa	ASTM D412
Tensile Elongation at Break	200 to 250	%	ASTM D412
Tear Strength	14.9 to 20.1	kN/m	ASTM D624
NOTE			
1.	Activator		
2.	Base		
3.	Activator		
4.	Base		
5.	1 Day		
6.	7 Days		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

