

INSULCAST® RTVS 3-95-2

Silicone Rubber, RTV-2
ITW Polymers Coatings North America

Message:
INSULCAST RTVS 3-95-2 is a very highly thermally conductive, high temperature RTV silicone compound which meets the flammability requirements of UL 94V-0.

General Information				
UL YellowCard	E86165-101226453			
Features	High Heat Resistance			
	Thermally Conductive			
Processing Method	Potting			
Hardness	Nominal Value		Test Method	
Durometer Hardness (Shore A)	85		ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method	
Tensile Strength	2.76	MPa	ASTM D412	
Tensile Elongation (Break)	17	%	ASTM D412	
Tear Strength ¹	0.876	kN/m	ASTM D624	
Thermal	Nominal Value	Unit	Test Method	
CLTE - Flow	1.5E-4	cm/cm/°C	ASTM D5470	
Thermal Conductivity	1.4	W/m/K		
Service Temperature	-55 to 260	°C		
Electrical	Nominal Value	Unit	Test Method	
Volume Resistivity			ASTM D257	
25°C	1.0E+14	ohms·cm	ASTM D149	
125°C	1.0E+13	ohms·cm		
Dielectric Strength	17	kV/mm		
Dielectric Constant (1 kHz)	5.00	ASTM D150		
Dissipation Factor (1 kHz)	5.0E-3	ASTM D150		
Flammability	Nominal Value	Unit	Test Method	
Flame Rating	V-0		UL 94	
Thermoset	Nominal Value	Unit	Test Method	
Thermoset Components				
	Mix Ratio by Volume: 1.0			
Part A	Mix Ratio by Weight: 1.0			

Mix Ratio by Volume: 1.0

Part B	Mix Ratio by Weight: 1.0		
Shelf Life (25°C)	52	wk	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- ²	Clear/Transparent		
-- ³	Red		
Density			
-- ⁴	2.26	g/cm ³	
-- ⁵	2.35	g/cm ³	
Viscosity			ASTM D2393
-- ⁶	35	Pa·s	
25°C ⁷	35	Pa·s	
25°C ⁸	35	Pa·s	
Curing Time			
125°C	0.25	hr	
90°C	1.0	hr	
65°C	2.0 to 4.0	hr	
25°C	24	hr	
Gel Time (25°C)	1.2E+2 to 2.4E+2	min	
Pot Life (25°C)	90	min	

NOTE

- | | |
|----|--------|
| 1. | Die B |
| 2. | Part B |
| 3. | Part A |
| 4. | Part B |
| 5. | Part A |
| 6. | Mixed |
| 7. | Part B |
| 8. | Part A |

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



WECHAT