

RTV-2 XP-378

Silicone Rubber, RTV-2

Silicones, Inc.

Message:

XP-378 RTV silicone rubber is a black two-component, addition reaction, platinum-catalyzed system that cures at room temperature. It has a low viscosity, is easy to process and its cure rate can be accelerated with heat. It has excellent electrical and thermal properties and is reversion resistant. In addition, it offers outstanding fire resistant properties.

Applications:

XP-378 is used in the potting and encapsulating of power supplies, amplifiers, relays, transformers, connectors, etc.. It can be used in any application where exceptional flame retardance is required.

General Information			
Features	Flame Retardant		
	Good Electrical Properties		
	Good Processability		
	High Heat Resistance		
	Low Viscosity		
Uses	Connectors		
Forms	Liquid		
Physical	Nominal Value	Unit	
Specific Gravity	1.45	g/cm ³	
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.29	W/m/K	ASTM C177
Service Temperature - Cured	-51 to 218	°C	
Uncured Properties	Nominal Value	Unit	
Color			
	Black		
-- ¹	Off White		
-- ²	Off White		
Viscosity			
-- ³	7.5 to 8.5	Pa · s	
-- ⁴	7.5 to 8.5	Pa · s	
Pot Life	120 to 240	min	
Cured Properties	Nominal Value	Unit	
Shore Hardness			
Shore A ⁵	60 to 66		
Shore A ⁶	60 to 66		
Tensile Strength	3.10 to 3.79	MPa	

Tensile Elongation at Break	130 to 180	%
Tear Strength	4.38 to 6.13	kN/m
Electric Strength	20	kV/mm
Relative Permittivity (100 Hz)	3.10	
Volume Resistivity	1.0E+15	ohms·cm
Dissipation Factor (100 Hz)	8.0E-3	

NOTE

- | | |
|----|-----------|
| 1. | Base |
| 2. | Activator |
| 3. | Base |
| 4. | Activator |
| 5. | 7 Days |
| 6. | 1 Day |

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