

RTV-2 XP-149

Silicone Rubber, RTV-2

Silicones, Inc.

Message:

XP-149 is a low viscosity, platinum catalyzed, transparent silicone rubber that is used for potting or encapsulating intricate electrical parts where visual inspection may be required. XP-149 offers electrical stability over a wide temperature range, radiation resistance, and will resist reversion when heated in confined spaces. As a platinum catalyzed, addition cure silicone rubber, XP-149 has very low shrinkage. XP-149 is designed to reach its full properties after just 8 hours at room temperature. Furthermore, the cure rate may be accelerated using heat as shown in the table below.

General Information		
Features	Fast Cure	
	High Clarity	
	Low Shrinkage	
	Low Viscosity	
Uses	Electrical Parts	
	Electrical/Electronic Applications	
Forms	Gel	
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Viscosity		
-- ¹	0.10 to 0.20	Pa · s
-- ²	4.5 to 5.5	Pa · s
Curing Time		
93°C	0.25	hr
66°C	0.50	hr
52°C	1.0	hr
21°C	8.0	hr
Pot Life	45 to 90	min
Cured Properties	Nominal Value	Unit
Shore Hardness		
Shore A ³	12 to 16	
Shore A ⁴	21 to 22	
Shore A ⁵	21 to 22	
NOTE		
1.	Activator, #5 Spindle @20 RPM	
2.	Base, #5 Spindle @20 RPM	
3.	6 Hours	
4.	1 Day	
5.	8 Hours	

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