



Silicones, Inc.

P.O. Box 363
High Point, NC 27261
Tel: 336-886-5018
Fax: 336-886-7122
www.silicones-inc.com

RTV-2 Silicones Since 1974

Product Information

XP-149 SILICONE RUBBER (Formerly 4RJA65-3-I)

DESCRIPTION

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.

PHYSICAL PROPERTIES

Viscosity (#5 spindle @ 20 rpm)	
Base	4,500 - 5,500 cps
Activator	100 - 200 cps
Working Time (70 deg. F/50% R.H.)	45 to 90 min.
Shore A Hardness (70 deg. F/50% R.H.)	
After 4 hours	Demoldable
After 6 hours	12-16
After 8 hours	21-22
After 24 hours	21-22
Clarity	Transparent
Accelerated Cure Schedule (1/2 inch thick section)	
Temperature (Degrees F)	Time to Full Cure
70	8 hours
125	1 hour
150	30 min.
200	15 min.

NOTE: Shore A hardness may increase when the cure rate is accelerated with heat.

The information contained in this product information sheet is based on sources believed to be accurate. It is offered in good faith, but without guarantee since the conditions of use are beyond our control. All risks of use are assumed by the user.