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RTV-2 Silicones Since 1974

Product Information

XP-636 SILICONE RUBBER

DESCRIPTION

XP-636 is a two component addition cure silicone rubber material. It has a high durometer, minimal shrinkage and extreme chemical resistance making it an excellent choice for covering rollers and applications where a hard silicone rubber is required. XP-636 cures at room temperature in 18 - 24 hours; however, the curing rate can be accelerated with Pt Accelerator at room temperature, or with heat.

MIXING INSTRUCTIONS

Mix **100 parts** by weight of XP-636 Base with **5 parts** by weight of XP-636 Activator in a container that will hold three to four times the volume of the rubber being mixed. Stir thoroughly either by hand or by mechanical means, taking care to scrape the sides and bottom of the container. Immediately after mixing, place the container in a vacuum chamber capable of 28 inches of mercury vacuum. The rubber will expand to about triple its original volume as it is being deaired. After the rubber collapses, maintain the vacuum for an additional two minutes and then release. Carefully pour the catalyzed silicone rubber over the released pattern (MR-15 is recommended).

TYPICAL PROPERTIES

Color, Base	Off White
Color, Activator	Colorless
Base viscosity (cps)	60,000 to 70,000
Activator viscosity (cps)	100 to 500
Working Time (min)	50 to 60
Cure Time (hrs)	18 to 24
Specific Gravity, cured rubber	1.15
Shore A Hardness	
24 hours @ 70° F/50% R.H.	60 ± 4
7 days @ 70° F /50% R.H.	60 ± 4
Tear Resistance (ppi)	n.a.*
Tensile Strength (psi)	n.a.
Elongation (%)	n.a.
Shrinkage (%)	nil

* n.a. : not available

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.