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RTV-2 Silicones Since 1974

Product Information

XT-493 SILICONE RUBBER

DESCRIPTION

XT-493 is a high tear strength, thixotropic, two-component, tin catalyzed RTV silicone rubber. It is designed for casting polyurethane, polyester and epoxy parts. XT-493 is useful for applications where a non-flowing, non-sagging rubber is needed. It is an excellent product with the following advantages over other RTV silicones:

APPLICATIONS

XT-493 is recommended for casting polyesters, polyurethanes, waxes, gypsum, concrete, epoxies and other plastics. It is useful for upright applications where little or no flow is required.

TYPICAL PROPERTIES

Uncatalyzed Properties

	<u>Base</u>	<u>Activator</u>
Color	Off-white	Colorless
Viscosity (cps)	N.A. (paste-like)	350
Specific Gravity	1.10	.99
Working Time (minimum)	1.0 to 1.5 hours	
Cure Time	16 to 18 hours	
Shelf Life	6 months	

Cured Rubber (7 days @ 70° F & 50% R.H.)

Hardness, Shore A	30 ± 4
Tensile Strength (ASTM D412)	475 ± 25 psi
Elongation (ASTM D412)	275 ± 25%
Tear, Die B (ASTM D624)	100 ± 10 ppi
Shrinkage	0.1%
Specific Gravity	1.10

MIXING INSTRUCTIONS

Mix 10 parts by weight of XT-493 base with 1 part by weight of XT-493 activator in a container that will hold approximately three times the volume being used. Stir thoroughly either by hand or by mechanical mixing until thoroughly combined (the activator is colorless, so extra care must be taken to mix the two parts completely.) If desired, the material may be deaired in a vacuum chamber capable of 28 inches of mercury vacuum. The material will expand to double or triple its original volume and then collapse. Maintain vacuum for an additional minute and release. (However, due to its thixotropic nature, deairing may be unnecessary.) Carefully apply the catalyzed silicone rubber to the released pattern with a spatula, trowel, or brush. (MR-15 is recommended.) Allow to cure for 16 to 18 hours.

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.