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RTV-2 Silicones Since 1974

Product Information

XT-585 SILICONE RUBBER

DESCRIPTION

XT-585 is a high strength, two-component, tin catalyzed RTV silicone rubber with excellent resistance to polyurethane resins. It is designed for casting solid polyurethane, epoxies, polyesters and other plastic parts. **XT-585** is useful for applications where a strong, flexible rubber is needed and offers the following advantages:

TYPICAL PROPERTIES

Uncatalyzed Properties	XT-585 Base	XT-585 Activator	XT-585A (option 2)
Color	Off white	Teal	Blue
Viscosity (cps)	25,000 to 35,000	350	350
Specific Gravity	1.23	1.03	1.02
Working Time (hours)		1 to $1\frac{1}{2}$	$1\frac{1}{2}$ to $2\frac{1}{2}$
Cure Time (hours)		16 to 18	16 to 18
Shelf Life (months)	6	6	6

Cured Rubber
(cured at 70 °F and 50% relative humidity)

Shore A Hardness ($\pm$ 3)		
Overnight	15	20
3 days	17	22
7 days	20	26
Tensile Strength, ASTM D412 (psi)	450 ± 50	425 ± 50
Elongation, ASTM D412 (%)	675 ± 50	500 ± 50
Tear Strength, ASTM D624 (ppi)	125 ± 25	100 ± 25
Shrinkage (%)	0.1	0.1
Specific Gravity	1.21	1.21

MIXING INSTRUCTIONS

Mix 100 parts by weight of **XT-585 Base** with 10 parts by weight of **XT-585 Activator** in a container that will hold approximately three times the volume being used. Stir thoroughly either by hand or by mechanical mixing until a uniform color results. Immediately after mixing, place the material 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. Carefully pour the catalyzed silicone rubber over the released pattern. Allow to cure for 16 to 18 hours before using.

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.