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RTV-2 Silicones Since 1974

Product Information

XT-426 SILICONE RUBBER

DESCRIPTION

XT-426 is a high tear resistance, medium tensile strength, two-component, tin catalyzed RTV silicone rubber. It is designed for casting polyurethane resins, polyester resins and other types of plastic. XT-426 is excellent for general purpose applications where a very strong, flexible rubber is needed.

TYPICAL PROPERTIES

<u>Uncatalyzed Properties</u>	<u>Base</u>	<u>Activator</u>
Color	Off white	Blue
Viscosity (cps)	20,000 to 30,000	350
Specific Gravity	1.31	0.99
Working Time (hours)	1 to 1.5	
Cure Time (hours)	16 to 18	
Shelf Life (months)	6	6

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

Shore A hardness, overnight	15 ± 3
seven days	27 ± 3
Tensile Strength, ASTM D412 (psi)	265 ± 25
Elongation, ASTM D412 (%)	240 ± 25
Tear Strength, ASTM D624 (ppi)	95 ± 15
Shrinkage (%)	0.1
Specific Gravity	1.30

MIXING INSTRUCTIONS

Mix 100 parts by weight of XT-426 base with 10 parts by weight of XT-426 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. (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.