



Silicones, Inc.

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RTV-2 Silicones Since 1974

XT-491

Product Information

General Information

XT-491 is a high tear, high tensile strength, tin catalyzed silicone designed to be used when casting polyurethane foam, polyester and epoxy parts. **XT-491** is useful for applications where a flexible rubber with increased chemical resistance is required. When catalyzed with one of our library life extending catalysts (see supplemental products) and stored correctly, a longer life of the cured mold should be expected. Its high tear strength, elongation and tensile strength make it an excellent choice for any mold making application. It is also resistant to inhibition by most common mold making substrates, eliminating the need to use mold sealers.

Typical Properties

Uncatalyzed Compound

Color	Base: Off White	Activator: Blue
Viscosity (cps)	Base: 50,000 - 70,000	Activator: 350-500
Mixing Ratio (B/A)	By weight: 100 / 10	By volume: 100 / 11.1
Mixed Viscosity	30,000 - 45,000	
Working Time	1 to 1.5 hours	
Cure Time	16 - 18 hours	
Shelf Life	6 months	

Vulcanized (cured) Properties (7 days @ 70° F / 50% relative humidity)

Shore A Hardness (± 3)	One day: 20	7 Days: 26
Tear Resistance (ASTM D624)	120 \pm 10 ppi	
Tensile Strength (ASTM D412)	525 \pm 25 psi	
Elongation (ASTM D412)	300 \pm 25 %	
Service Temperature ($^{\circ}$ F)	-60 to 350	
Shrinkage	0.10 %	
Specific Gravity	1.09	
Coverage (in³ / lb)	25.2	

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