

Thixo Agent AC Thixotropic Additive for Addition Cure Moldmaking

Description	Property	Test Method	Value	
<p>This is an additive for addition cure, silicone elastomers that are silica filled. Used at 0.5 % level, this additive creates excellent thixotropic properties. When used with silica filled, platinum cured silicone elastomers, it will cause the material to exhibit non-slump behavior at a thickness of ~ 0.5". This additive will not change the cured properties of the addition cure material. The cured rubber has outstanding mechanical properties and good shelf-life stability.</p> <p>Key Features</p> <ul style="list-style-type: none">• Non-slump to ~ 0.5"• Does not affect cure times• Can vary thixotropy as needed <p>Application</p> <p>Spray applications, glob-top, glove molding, lay-up molding</p> <p>Use and Cure Information</p> <p>Recommended mix ratio ~ 0.5%.</p> <p>CURED PROPERTIES</p> <p>See individual technical data sheets of the addition cure products.</p> <p>CURE CHARACTERISTICS</p> <p>This product will not affect the cure rate of the addition cure material it is used with. The curing process begins as soon as the catalyst is mixed with the base. The material will cure as described in the data above under normal temperature (25 °C) and humidity conditions (50% RH). Because this system is sensitive to heat and humidity, a change in cure speed may be observed if one or both of these variables are altered. A large difference in temperature (+/- 5 °C) or humidity (>60% - 70%) may alter the cure profile of the material.</p> <p>MIXING</p> <p>It is recommended that the catalyzed material be tested on a small area of the mold prior to use.</p> <p>This product should be added at 0.5% by weight to the material to be modified. Material should be mixed in a clean, compatible metal or plastic container. The volume of the container should be 3 - 4 times the volume of the material to be mixed. This allows for expansion of the siloxane material as it de-aeration.</p> <p>Mix thoroughly by hand or with mixing equipment while minimizing air entrapment until a homogeneous mixture is obtained. This will occur when the material takes on a uniform color with no visible striations. The material should stand for 2 - 3 minutes for the effect of the thixo agent to be realized.</p> <p>DE-AERATION</p> <p>Air trapped during mixing should be removed by vacuum at 29 inches of mercury. During the process, the material will expand, and intermittent evacuation may be required. Typically, after releasing the vacuum 2 - 3 times, the mass will collapse on itself at which time the vacuum should be left on for an additional 2 - 4 minutes.</p> <p>Health & Safety</p> <p>Safety Data Sheet available on request.</p>	Uncured Product			
	Cure Type			Addition
	Mix Ratio By Weight			~0.5%
	Rheology			Liquid
	Specific Gravity			1.00
	Viscosity		Brookfield	500 cP
	Storage			
	Max Storage Temperature			38 °C / 100 °F
	Shelf Life			24 mths

Revision Date 14 Oct 2021
Revision No 4
Download Date 05 Dec 2021

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The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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