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Thickener THIX 5170 Product Data Sheet

THIX 5170 is a thickening additive used to create a low sag rubber compound for building thin bladder silicone RTV molds.

Use With: Econosil-25, R-1300 Series Silicones, R-2310, R-2320, R-2364. **Test if using any other RTV.

Available Sizes: 2oz Jar Pint (1 lb) Quart (2 lb) Gallon (8 lb)

PHYSICAL PROPERTIES:

Color: Translucent liquid
Viscosity: 2500 cps, Thick
Specific Gravity: .99
Mix Ratio: 2 - 3 %

PROCESSING INSTRUCTIONS

Mix Well Prior to Using. Add Thix 5170 to the Base (A Side) of the Silicone RTV system before properly catalyzing. Thickening will become present within seconds. Care must be taken to avoid air entrapment. De-air before applying, when a vacuum pump is available. Air Pressure (Hair Dryer on Cool Setting) can be used to work out bubbles from surface. Cloth material can be added to strengthen rubber mold, but it will limit any elongation/stretch in the mold. The first few coats should be applied with un-thickened RTV to assure highest detail. Thix 5170 will create different flow control viscosities for each type of Silicone RTV system. **Use *PE Mini Fibers* for a peanut butter like consistency.

EXAMPLE:

Mix 2% to 3% of THIX 5170 to A side (Base). This will cause base to thicken. Then mix in Catalyst.

<u>A Side (Base)</u>	<u>**ADD</u>
1#	12 GRAMS
10#	120 GRAMS
40#	480 GRAMS

SPECIAL CONDITIONS: During storage this material will separate, always **MIX WELL** before using. Temperatures below 65F will solidify material. Liquefying can be accomplished by reheating in warm water bath—Place container in an air tight, sealed bag and allow it to remain in water until liquid.

STORAGE/SHELF LIFE:

Store in cool, dry area above 65F. Shelf life when kept in unopened, sealed containers, at the recommended storage conditions, is 6 months.

THE INFORMATION AND DATA CONTAINED HEREIN ARE BASED ON INFORMATION WE BELIEVE RELIABLE. EACH USER OF THE MATERIAL SHOULD THOROUGHLY TEST ANY APPLICATION, AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE BEFORE COMMERCIALIZING. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ON ANY PARTICULAR PATENT.