



# MONSTER GEL TG™

## PROSTHETIC GRADE ALGINATES

**Description:** Prosthetic Grade Alginate, Monster Gel™ TG, mixes easily to a very creamy consistency by hand. Works with warm water and gives you approximately 5 minutes working time at 80F. Great for head casts and body casting.

**WARNING:** Contains **FREE CRYSTALLINE SILICA**. Prolonged or repeated exposure by inhalation of free crystalline silica may cause lung damage and Silicosis. Wear respiratory protection when using this product: Do not breathe dust. Protective gloves and safety glasses or goggles. If exposed or concerned: Get medical advice. Dispose of contents/ containers in accordance with local regulation. Read SDS before use.

### PRODUCT FEATURES

Mix approximately **1 part water to 2 parts PGA** ratio by weight (approx. 16 oz. powder to 8 oz. water by volume) until mixture yields a Creamy consistency similar to that of yogurt, which should provide a **working time of 5 minutes with a mix time of one minute**. Larger casts or body casts will require a shell jacket of plaster bandages, which will provide plenty of time for the alginate to set. Although PGA has high initial tear strength, demolding must be done carefully to avoid tearing.

**Model Preparation:** Monster Gel™ TG can be applied to most surfaces with little preparation since the material will not stick to itself, or most other non-porous materials. A small test should always be performed to ensure proper release. A thin coat of petroleum jelly should be sufficient as a release, when needed. For lifecasting, apply a thin coat of skin moisturizer to the skin, and a generous amount of petroleum jelly applied to all exposed facial hair and eyebrows. Do not apply alginate directly to hair.

**Mixing and Curing:** Weigh or measure proper amounts of PGA powder and mix with cool to room-temperature water. Warmer water will greatly decrease the cure time. *Do not use hot water* as alginate may cure too quickly. Mix together rapidly, being careful to avoid introducing air bubbles. A Jiffy Mixer® or other variable speed drill is recommended, but manual mixing is adequate. The mixture can be thickened with additional powder or thinned with water. Apply to surface with a flowing motion pushing out air ahead of material. **Please Note:** Be mindful of the amount of material needed as the alginate will not bond to itself once cured without special bonding agents. Monster Gel™ TG PGA is an organic based product and is to be used only a temporary mold material. To avoid shrinkage and distortion in castings, it is best to make a positive cast immediately. The mold may be kept usable in water, plastic bags, or an airtight container for a few days. Wax, plasters, and wax or oil based clays below 212°F may be poured into alginate molds. Molds should be immediately discarded after use.

The safety data sheet (SDS) for this or any Monster Makers product should be read before using and is available on request. All Monster Makers products are safe to use if directions are read and followed carefully. **Keep Out of Reach of Children.**

For more information, please visit [www.monstermakers.com](http://www.monstermakers.com)

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