

Gelato®

Super High Strength Molding Rubber

Technical Datasheet



Castaldo® Gelato® Super High Strength Silicone Jewelry Molding Rubber cuts like butter. It resists tearing and is strong enough to make complex molds that are stronger than any other silicone molding rubber on the market. Molds last and last.

Molds self release!

There is no need for messy mold release spray. Castaldo Super High Strength Silicone Jewelry Molding Rubber gives waxes a smooth, shiny finish that won't stick to the mold. And shiny waxes mean less finishing!

Mold packing is easy!

All you have to do is spread and press it in with your fingers. Just like putty.

A shiny finish on your molds means a shiny finish on your waxes. That means less polishing of your castings.

Convenient packaging

Castaldo Super High Strength Silicone Jewelry Molding Rubber is available in strips 3/8" x 2 7/8" x 18" (6 mm x 7.3 cm x 45.7 cm). Packed in boxes containing 5 lbs. (2.27 Kg.) each.

Gelato rainbow colors

Available in standard tan color and the exciting new Gelato rainbow of colors!



#800 Tan #801 Pistachio #802 Lemon #803 Peach



#804 Fuchsia #805 Violet #806 Blue

Name	Gelato®
Shore A Hardness	38-40
Vulcanizes at	165 - 176°C
Rubber Shrinkage	Medium 2.3%
Break Elongation	667%
Break Tensile Strength	8.3 n/mm ²
Break Tear Strength	21.2 n/mm ²
Uses	High Strength, General Purpose

*Shrinkage rates given are for the rubber mold itself. Final casting shrinkage rates depend on moldmakers and caster's skill, knowledge, precision and attention to detail.

Silicone Molding Rubber



Castaldo Silicone Molding Rubber is soft and pliable, with a consistency like putty or molding clay.

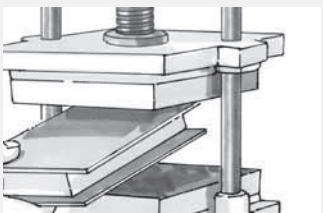
Mold frame packing with Castaldo Silicone Molding Rubber is fast, easy and requires no tools.



Placing and embedding the model exactly as you want it is simple.



Curing Castaldo Silicone Jewelry Molding Rubber Molds involves no mixing, limited working times or de-bubbling. Simply put it in your vulcanizer at 330°-150°F (165°-177°C) for 15 minutes per 1/4 inch (6mm).



Castaldo Silicone Jewelry Molding Rubber Molds are easy to cut, reducing hand fatigue and increasing control. Users say they "Cut like butter".



Parting lines are easily controlled and corrected by hand when used with the powder separation technique.



Finished molds can be simple or complex with cores, straight plugs or even spiral plugs. Castaldo Silicone Jewelry Rubber Molds are strong and tear resistant and can last for years and years.

BURNING IN SPRUES: CASTALDO® silicone jewelry molding rubbers can be burned in the usual manner to add sprues or correct details but higher temperatures are needed. Use adequate ventilation!

CAUTION: Vapors given off during vulcanization may produce temporary eye, nose and throat irritation among certain susceptible individuals. Use with adequate ventilation.

STORAGE: As with any unvulcanized rubber compound, store away from any source of heat and light. Unvulcanized shelf life is at least one year if properly stored except for low-temperature cure compounds. The storagelife of those compounds can be severely shortened by unintentional exposure to heat in shipping and storage.