

Superstretch™

High-Performance High-Elasticity Silicone Rubber

Technical Datasheet



Molds that normally require many parts to release complicated or difficult patterns cannot be done easily and simply.

Castaldo SuperStretch™ was able to mold this hollow gold spiral sea shell charm without complicated multi-part inserts. The thin spiral core needed to reproduce the shell is strong and elastic enough to be withdrawn from wax patterns 100's of times.

Just look at the shine!

SuperStretch High Shine Finish means less polishing. Cuts like butter: Easy mold packing / easy mold cutting. Low rubber shrinkage - only 1.3%.

SuperStretch is compatible with other Castaldo silicone molding rubbers - can be used alone or used as an insert for special projects.

Castaldo SuperStretch 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. Or 30 cm x 30 cm x 7 mm squares (11.8" x 11.8" x 3/8") packed in 20 kg./44 lb. and 5 kg./11.0 lb. convenience packages

Name SuperStretch™

Shore A Hardness	28
Vulcanizes at	165 - 176°C
Rubber Shrinkage	Low 1.3%
Break Elongation	900%
Break Tensile Strength	7.7 n/mm ²
Break Tear Strength	19.2 n/mm ²
Uses	Elastic Inserts, undercuts, cores & plugs

*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.

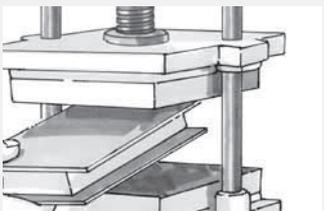
Mold frame packing with Castaldo Silicone Molding Rubber is fast, easy and requires no tools.



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.