Rapido™

In a hurry? Want production fast?

Technical Datasheet

Castaldo Rapido jewelry molding rubber is a very fast version of our Super High Strength™, Econosil™ and other silicone jewelry molding rubbers that can speed up your work significantly. It makes tough, strong production rubber molds in as little as 15 minutes. Rapido jewelry molding rubber gets your models into production fast!

Castaldo Rapido jewelry molding silicone rubber cures at 93°C / 200°F and makes molds with a rubber shrinkage rate of only 0.1%.

 Here are some typical vulcanizing times for Rapido jewelry molding rubber -- only 1/3 the usual time!

Mold Size	Vulcanizing Times	Vs. Standard Times
12mm - 1/2" mold	10 minutes	30 minutes
19mm - 3/4" mold	15 minutes	45 minutes
25mm - 1" mold	20 minutes	60 minutes

Castaldo Rapido is a soft clay or putty-like material that is easy to work with, just like our Castaldo Super High Strength , Econosil and other silicone jewelry molding rubber compounds. Castaldo Rapido produces highly detailed wax injections with an extraordinarily shiny surface that requires less finishing. Waxes are self releasing and need no release spray or messy powder. Molds are easy to pack and cut like butter. Rubber shrinkage is only 0.1%.

All of the tools and techniques for using Rapido are exactly the same as those used with our Super High Strength, Econosil and other silicone molding rubbers. There's nothing new to learn and there are no procedures to change.

Castaldo Rapido is lined with special release paper on both sides and is available in two sizes:

Regular: strips 45.7 cm × 7.3 cm × approximately 6 mm / 18" × 27/8" × approximately 3/8". Packaged in boxes weighing 2.27 kg. / 5 lb..

Name	Rapido™
Shore A Hardness	38-40
Vulcanizes at	93°C
Rubber Shrinkage	Very Low 0.1%
Break Elongation	614%
Break Tensile Strength	8.9 n/mm²
Break Tear Strength	18.2 n/mm²
Uses	Fast molds, high strength, general purpose

*Shrinkage rates given are for the rubber mould itself. Final casting shrinkage rates depend on mouldmakers 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.
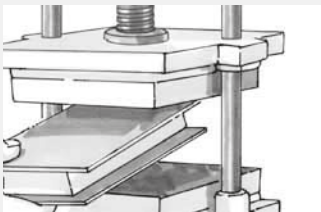
Mold frame packing with Castaldo Silicone Molding Rubber is fast, easy and requires no tools.

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

Curing Castaldo Slicone Jewelry Molding Rubber Molds involves no mixing, limited working times or de-bubblizing. Simply put it in your vulcanizer at 200°F (93°C) for 15 minutes.

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.

CASTALDO® RAPIDO® Silicone Molding Rubber can be vulcanized at a wide range of time and temperature combinations depending on the softening point and other characteristics of your model material.

PLEASE NOTE: Because CASTALDO RAPIDO® vulcanizes at a low temperatures it does not have the extended storage life of many of our other compounds. CASTALDO RAPIDO® may SELFVULCANIZE DURING STORAGE at high summer temperatures or in very warm climates.

During the summer months or in very warm climates the rubber should be kept in cold storage such as in a refrigerator or in a constantly air-conditioned room, but NOT below 32° F / 0° C. You may want to avoid storing more RAPIDO® rubber than is needed for immediate use. Similarly, long ocean freight shipments during very warm periods may affect the rubber. Possible solutions might be to avoid such shipments entirely during the summer months or ship smaller quantities via air freight.

CASTALDO® RAPIDO® Silicone Molding Rubber CANNOT be burned in the usual manner to add sprues or correct details.