

# Econosil®

For Low Temperature Metal Direct Casting

## Technical Datasheet



**Castaldo Econosil® Jewelry Molding Rubber is a harder, firmer but still flexible version of our Castaldo Super High Strength™ silicone jewelry molding rubber at a lower cost.**

Econosil is the fast & easy way to mold and cast almost anything in metal. Use it to make:

**Toy soldiers - Chess pieces - Fantasy figures - Cabinet knobs - Fishing lures - Jewelry - Machine and tool parts - Everything and anything!**

Econosil withstands temperatures up to 660°F/ 350°C. It can be used to cast lead, pewter, tin, zinc and other low temperature melting alloys.

Econosil a brick-red/brown color and is lined with special release paper on both sides. Complete instructions are enclosed in each box. For a more complete description and detailed instructions, please refer to our free technical bulletin.

Econosil Jewelry Molding Rubbers is available in two formats: Traditional strips: 18" x 2 7/8" x approximately 3/8" / 45.7 cm x 7.3 cm x approximately 6 mm. Packaged in attractive, consumer-oriented boxes weighing 5 lbs. / 2.27 kg. It is packed 10 boxes to a carton for a total net weight of 50 lbs. / 22.7 kg.

New squares: 11.8" x 11.8" x 3/8" / 30 cm x 30 cm x 7 mm and weighing 1 kg. / (2.27 lbs) per square. Special sizes are available on request. The new squares are packaged in boxes containing 5 kg. / 11.0 lbs. and 20 kg. / 44.0 lbs.

### Name

**Econosil**

Shore A Hardness

**48-50**

Vulcanizes at

**165 - 176°C**

Rubber Shrinkage

**Low  
1.1%**

Break Elongation

**555%**

Break Tensile Strength

**6.2 n/mm<sup>2</sup>**

Break Tear Strength

**19.4 n/mm<sup>2</sup>**

Uses

**Economy grade. Firm molds,  
filigree & thin channels.  
High precision.**

\*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.

