

Quick-Sil

Firm & Flexible

Technical Datasheet



Castaldo® QuickSil® Soft and Flexible is the easy way to make molds and cast a wide variety of objects. Because of its heat resistance low-temperature metals such as pewter and other low melting fusible alloys can be poured directly into the rubber molds.

QuickSil makes production molds but is also ideal for short runs or the last-minute emergencies that are typical in any jewelry manufacturing business.

QuickSil is a two-part room temperature vulcanizing (RTV) silicone rubber putty that is easily mixed by hand. It is not a liquid rubber, making it ideal for those without a vulcanizer or a vacuum pump.

Molds cure ready-to-use with 0% rubber shrinkage in only 15 minutes at room temperature.

Castaldo® QuickSil® is the easy way to make molds and cast a wide variety of objects. Because of its heat resistance low-temperature metals such as pewter and other low melting fusible alloys can be poured directly into the rubber mold. Other common casting materials include injection wax, resin compounds, ceramic materials, soap and candle wax.

QuickSil is ideal for use with metal clay, either to make a mold of an existing object and then reproduce it or to mold an original creation made in metal clay for further reproduction.

QuickSil is available in three package sizes containing equal parts A & B:

- 1 kg. Kits
- 5 kg. Kits

Detailed instructions are enclosed with each kit.

Name Quick-Sil Firm

Shore A Hardness	40
Mix Ratio by Weight	1:1
Rubber Shrinkage	0.0%
Viscosity	Clay-like Putty
Vulcanises at	70F / 21C
Cure Time	Less than 15 mins
Specific Gravity	1.32
Elongation Before Break	550%
Tensile Strength Before Break	4.1 n/mm ²
Tear Strength Die C Before Break	20.1 n/mm ²
Colour	Light Green

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

** Specific gravity.Water = 1.00. Low specific gravity = more moulds per pound/kg.

