

LiquaCast® Long-Life Strong

0% Shrinkage RTV Liquid Jewelry Molding Rubber

Technical Datasheet



Will Not Soften with Age - Ordinary low-cost RTV liquid rubber molds become soft and unusable over time, wasting the time, effort and skill invested in making them. Sometimes they even turn back into liquid rubber! LiquaCast® Long-Life™ Strong 0% shrinkage RTV rubber is formulated to last for decades without softening, distorting or degrading in any way.

Have you looked at your library of rubber molds recently? If you have made low-cost RTV liquid rubber molds in the past many of them are probably becoming useless due to age, sometimes even after only 2 years. Years of work could be slowly melting.

Wouldn't you rather have molds that last and last?

Extremely Strong and Firmer - LiquaCast Long-Life Strong makes molds that are extremely strong, tough and tear-resistant, another reason they will last and last despite repeated use. It's perfect for complex molds, difficult undercuts and spirals and cores. And it's compatible with most computer-generated CAD-CAM resin and difficult to mold CAD-CAM wax patterns.

Much Easier to Use - LiquaCast Long-Life is easy to use, too. Low viscosity means that it is easy to measure, easy to mix, easy to vacuum and easy to pour. And it's easy 1:1 mix ratio by either weight or volume means that measuring and mixing mistakes are much less likely than with 1:10 compounds.

LiquaCast Long-Life Strong 0% shrinkage liquid RTV is a firmer rubber - ideal for delicate & difficult to inject patterns. Firmer rubber means less pattern distortion during injection. Small channels will not be squeezed closed during injection and result in patterns that are not filled completely. Great for filigree!

Makes More Molds - LiquaCast Long-Life Strong costs a little more than other low-cost RTV rubbers, but produces up to 40% more molds per pound or kilogram. Price per mold is more important than price per pound or kilogram. Long-Life compares favorably in price with other low-cost liquid RTV rubbers.

Molds made with LiquaCast Long-Life Strong have a glossy, shiny surface that produce waxes with a glossy, shiny surface. That means greater efficiency because the final castings require less polishing and generate less metal loss.

LiquaCast Long-Life strong rubber is yellow in color and is packaged in plastic containers in two-part kits weighing 1 kg. (2.2 lbs.), 8 kg. (17.6 lbs.) and 20 kg. (44.0 lbs.)

Name

LiquaCast® Long-Life Strong

Shore A Hardness	45
Mix Ratio by Weight	1:1
Rubber Shrinkage	0.0%
Viscosity	Very Low 2,000cps
Vulcanises at	70F / 21C
Cure Time	24hrs
Rapid Cure Time @150F / 65C	90 mins
Specific Gravity	1.02
Elongation Before Break	1,135%
Tensile Strength Before Break	2.8 n/mm ²
Tear Strength Die C Before Break	13.4 n/mm ²
Colour	Yellow

*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.