



Silicone Rubber Physical Properties

	Super High Strength™	Gelato™	SuperStretch™	Econosil®	VLT®	Rapido®	QuickSil® Firm & Flexible	QuickSil® Soft & Flexible
Shore A Hardness	38 - 40	38 - 40	28	48 - 50	38 - 40	38 - 40	40	27
Vulcanizes at	165° - 176°C / 330° - 350°F	165° - 176°C / 330° - 350°F	165° - 176°C / 330° - 350°F	165° - 176°C / 330° - 350°F	Variable - from 82°C / 180°F to 71°C / 160°F	93°C / 200°F	70° F / 21°C	70° F / 21°C
Rubber Shrinkage*	Medium 2.3%	Medium 2.3%	Low 1.3%	Low 1.1%	Very Low 0.1%	Very Low 0.1%	0.0%	0.0%
Elongation before break	667%	667%	900%	555%	614%	614%	550%	600%
Tensile Strength before break	8.3 n/mm ² 1204 psi	8.3 n/mm ² 1204 psi	7.7 n/mm ² 1,109 psi	6.2 n/mm ² 897 psi	8.9 n/mm ² 1,289 psi	8.9n/mm ² 1,289 psi	4.1 n/mm ² 660 psi	4.1 n/mm ² 660 psi
Tear Strength before break	21.2 n/mm 121 lbs./ in.	21.2 n/mm 121 lbs./ in.	19.2 n/mm 110 lbs./in.	19.4 n/mm 111 lbs./in.	18.2 n/mm 104 lbs./in.	18.2 n/mm 104 lbs./ in.	20.1 n/mm 115 lb./in.	20.1 n/mm 119 lb./in.
Uses	High Strength, General Purpose	High Strength, General Purpose	Elastic inserts, extreme undercuts, cores and plugs	Economy grade Firm molds, filigree & thin channels, high pressure	Low temperature for resin CAD CAM, RP & SL models	FAST molds High Strength, General Purpose	Silicone rubber putty that cures in 15 minutes at room temperature with 0% shrinkage	Silicone rubber putty that cures in 15 minutes at room temperature with 0% shrinkage
Color	Tan	Pistachio, Lemon, Peach, Fuchsia, Violet & Blue	Violet	Brick Red	Blue Green	Marigold	Light Green	Light Blue

* Special note about shrinkage rates: The figures given for this and all other rubber molding compounds are for the rubber mold itself, not the wax pattern it produces or the final casting produced from the wax pattern. The same rubber compound molded around the same metal master model can produce highly variable final casting shrinkage rates depending on the moldmaker & caster's skill, knowledge, precision and attention to detail. Final casting shrinkage is the result of the jewelry manufacturer's procedures.