



RTV Jewellery Molding Rubber



Physical Properties

	Shore A Hardness	Mix Ratio	Shrinkage*	Viscosity***	Vulcanise at	Cure Time / Rapid Cure Time	Specific Gravity**	Break Elongation	Break Tensile Strength	Break Tear Strength	Colour
LiquaCast	40	1:1	0.0%	Very Low 4,000cps	21°C	18hrs / 90 mins	1.39	897%	4.5 n/mm ²	14.2 n/mm ²	Pink
LiquaCast Long-Life	45	1:1	0.0%	Very Low 2,000cps	21°C	24hrs / 90 mins	1.02	1,135%	2.8 n/mm ²	13.4 n/mm ²	Yellow
LiquaGlass	50	1:1	0.0%	Very Low 1,200cps	21°C	16hrs / 90 mins	1.00	750%	2.1 n/mm ²	12.9 n/mm ²	Clear Blue/Green
LiquaFast ICE	40	1:1	0.0%	Low 8,500cps	21°C	60-90 mins / 30 mins	1.12	370%	3.5 n/mm ²	18.9 n/mm ²	Clear Blue
QuickSil Firm & Flexible	40	1:1	0.0%	Clay-like Putty	21°C	Less than 15 mins	1.32	550%	4.1 n/mm ²	20.1 n/mm ²	Light Green
QuickSil Soft & Flexible	27	1:1	0.0%	Clay-like Putty	21°C	Less than 15 mins	1.32	600%	4.1 n/mm ²	20.1 n/mm ²	Light Blue

*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.

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

*** Guide to Viscosity



Water @ 21°C/70°F 1
 Blood or Kerosene 10
 Ethylene Glycol or Anti-Freeze 15
 Motor Oil (SAE 10) 50
 Motor Oil 65
 Maple Syrup or Motor Oil (SAE 30) 150-200
 Castor Oil or Motor Oil (SAE 40) 250-500
 Glycerin or Motor Oil (SAE 60) 1,000-2,000
 Honey or Corn Syrup 2,000-3,000
 Molasses 5,000-10,000
 Chocolate Syrup 10,000-25,000
 Pourable Silicone Rubber 14,000-40,000
 Ketchup or Mustard 50,000-70,000
 Brushable Silicone Rubber 100,000 - 150,000
 Peanut Butter or Tomato Paste 150,000-250,000
 Lard or Crisco Shortening 1,000,000-2,000,000
 Caulking Compound 5,000,000 - 10,000,000