



# 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
<b>LiquaCast</b>	40	1:1	0.0%	Very Low 4,000cps	21°C	18hrs / 90 mins	1.39	897%	4.5 n/mm <sup>2</sup>	14.2 n/mm <sup>2</sup>	Pink
<b>LiquaCast Long-Life</b>	45	1:1	0.0%	Very Low 2,000cps	21°C	24hrs / 90 mins	1.02	1,135%	2.8 n/mm <sup>2</sup>	13.4 n/mm <sup>2</sup>	Yellow
<b>LiquaGlass</b>	50	1:1	0.0%	Very Low 1,200cps	21°C	16hrs / 90 mins	1.00	750%	2.1 n/mm <sup>2</sup>	12.9 n/mm <sup>2</sup>	Clear Blue/Green
<b>LiquaFast ICE</b>	40	1:1	0.0%	Low 8,500cps	21°C	60-90 mins / 30 mins	1.12	370%	3.5 n/mm <sup>2</sup>	18.9 n/mm <sup>2</sup>	Clear Blue
<b>QuickSil Firm &amp; Flexible</b>	40	1:1	0.0%	Clay-like Putty	21°C	Less than 15 mins	1.32	550%	4.1 n/mm <sup>2</sup>	20.1 n/mm <sup>2</sup>	Light Green
<b>QuickSil Soft &amp; Flexible</b>	27	1:1	0.0%	Clay-like Putty	21°C	Less than 15 mins	1.32	600%	4.1 n/mm <sup>2</sup>	20.1 n/mm <sup>2</sup>	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  
 Melasses 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