

CHOOSING A MOLD MATERIAL

	LATEX	URETHANE	TAP SILICONE RTV	PLATINUM SILICONE
Cost	Least	Moderate	Moderate	Most
Mold Release Needed	No ¹	Yes	No ¹	No ¹
Mold Types	Blanket/Glove	Block/Multi-Part	All Types	All Types
Mold Durability	Good	Outstanding/Best	Moderate	Excellent
Vacuum Required	No	No	Yes ²	No
Color	Ivory	Translucent Brown	Blue	Translucent Clear
Odor	None	None	None	None
Cured Hardness (Shore A)	40	30	28	8
Maximum Casting Temperature	200°F	240°F	300°F	500°F
Viscosity (Consistency prior to cure)	Mayonnaise	Motor Oil	Cake Batter	Motor Oil
Can be used on a wet surface	No	No	Yes	Yes
Can Be Used On Vertical Surface	Yes	No ³	Yes ⁴	Yes ⁴
Advantages	Simple brush-on application, Low cost, no mixing, no mold release	Easy mix ratio, moderate cost, extremely durable	No mold release, moderate cost	Easy mix ratio, easy bubble release, no mold release, extremely flexible, durable
Disadvantages	No blocks or poured molds, needs a "mother" (support mold), requires 8-10 layers	Requires mold release, difficult to thicken for blanket molds	10-1 mix ratio, requires bubble removal, limited mold use	Cost, inhibited by some clays or other products

1 Mold Release not needed in most situations. There are exceptions. Always test first.

2 "Bombs away" method can be substituted for vacuum.

3 No thickener made for Urethane, but Cab-o-sil can be used.

4 When used with Thixotropic Additive

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