

Body Double® Fast Set

Silicone

Smooth-On, Inc

Message:

Body Double® is a long lasting platinum-cure silicone rubber that can be applied directly to the skin to make molds of the face, hands and other body parts. The rubber cures quickly and will reproduce perfect detail from any original model - far better detail than any alginate!

One Casting or Many . . . For About The Same Price: unlike alginates, which are good for one only casting, Body Double® will last for many castings of almost any material including plaster, Matrix® Neo®, wax, resins (Smooth-Cast urethanes, polyester, etc.), low-temperature melt metal alloys, etc. The amount of Body Double® used per mold is less than most alginates, so the cost per mold is about the same. Body Double® is odorless and is ACMI rated non-toxic and skin safe. Adding HYPER-FOLIC® release additive to Body Double® silicone will create a self-releasing silicone which is easily removed from hair-covered body areas.

Body Double® "Standard Set" for larger surface areas. Working time of 5 minutes and a demold time of 30 minutes*.

Body Double® "Fast Set" for fast turnaround. Working time of 90 seconds and a demold time of 5 minutes*.

*Depending on material temperature, ambient temperature and body temperature - see "Preparation" below for details.

General Information			
Features	Low to No Odor		
	Non-Toxic		
Appearance	Blue-Green		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D1475
Specific Volume	0.856	cm ³ /g	ASTM D1475
Viscosity	Brushable		ASTM D2393
Mixing Ratio	1A:1B by volume or by weight		
Molding Shrinkage - Flow	< 0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	25		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3.10	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength ¹	7.01	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life	1.5	min	ASTM D2471
Demold Time	5.0	min	
NOTE			
1.	Die C		

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Recommended distributors for this material

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