# Shell Shock® Fast

### Polyurethane

Smooth-On, Inc

#### Message:

Shell Shock® FAST and Shell Shock® SLOW are thixotropic plastics that self thicken when mixed and can be brushed onto a variety of surfaces or into rubber molds. When Parts A and B are mixed in proper proportion (1A:4B by volume or 1A:5B by weight), material cures at room temperature with virtually no shrinkage to a hard, durable plastic that exhibits good compressive and flexural strength. Fully cured castings are rigid and can be sanded, primed and painted. Color effects are possible by adding SO-Strong Color Tints.

Shell Shock® plastics are ideal for making fast, lightweight rigid molds for creating silicone appliances and effects (use as a replacement for 'stone molds'). You can also brush a "gel coat" into a rubber mold and back it up with rigid foam, creating a highly detailed lightweight casting. These products can also be brushed onto styrofoam (polystyrol) as an impact resistant coating that can be sanded, primed and painted (minimum 3 coats recommended). Shell Shock® plastics can also be used to make rigid support shells for brush on rubber molds.

General Information					
Features	Durable Good Compressive Strength Good Impact Resistance High Hardness				
	High Rigidity Low Shrinkage				
	Paintable				
	Thixotropic				
Uses	Coating Applications				
	Modeling Material				
Appearance	Beige				
Processing Method	Casting				
Physical	Nominal Value	Unit	Test Method		
Specific Gravity	1.60	g/cm³	ASTM D1475		
Specific Volume	0.625	cm³/g	ASTM D1475		
	1A:5B by weight				

Mixing Ratio	1A:4B by volume		
Molding Shrinkage - Flow	0.060	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ASTM D638
Tensile Strength	21.4	MPa	ASTM D638

Flexural Modulus	6760	MPa	ASTM D790
Flexural Strength	49.3	MPa	ASTM D790
Compressive Modulus	3450	MPa	ASTM D695
Compressive Strength	62.1	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8			
MPa, Unannealed)	57.2	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	3.0	min	ASTM D2471
Thermoset Mix Viscosity	3000	сР	ASTM D2393
Demold Time (23°C)	60	min	

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#### Recommended distributors for this material

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