

Brush-On® 40

Polyurethane

Smooth-On, Inc

Message:

Smooth-On's Brush-On® Series of mold rubbers are extremely versatile and are famous for their abrasion resistance and high tear strength. They have the convenience of a one-to-one mix ratio and are easy to mix and apply with a brush or spatula. Brush-On® 35, 40, 50 & 60 paint onto vertical surfaces without sagging and will cure with negligible shrinkage to durable rubbers that perform and last in production. Each will capture exact detail from any original model.

Brush-On® 35 is the softest of the series and offers the most flexibility and is used for models with deep undercuts. Brush-On® 35 & 40 can be inverted and used to make glove molds. Brush-On® 50 and Brush-On® 60 possess superior abrasion resistance and tear strength and are ideal for casting concrete and hard plasters in applications where less flexibility is required. These products are compatible. For example, you can apply two coats of Brush-On® 40 and back it up with two coats of Brush-On® 50 or 60. All three rubbers are suitable for reproducing sculpture, architectural restoration and production casting of concrete.

General Information			
Features	Durable		
	Good Abrasion Resistance		
	Good Flexibility		
	Good Tear Strength		
	Low Shrinkage		
	Soft		
Appearance	Off-White		
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	
Viscosity	Brushable		ASTM D2393
	100A:125B by weight		
Mixing Ratio	1A:1B by volume		
Molding Shrinkage - Flow	< 0.10	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2.07	MPa	ASTM D412
Tensile Elongation (Break)	1000	%	ASTM D412
Tear Strength ¹	10.5	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	
Pot Life	20	min	
Demold Time	960	min	

NOTE

1. Die C

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Recommended distributors for this material

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