

ReoFlex® 60

Polyurethane

Smooth-On, Inc

Message:

ReoFlex® urethane rubbers offer superior physical and performance properties for production casting of wax, plasters, and resins. ReoFlex® urethanes are available in 20A, 30A, 40A, 50A and 60A Shore hardnesses and feature convenient one-to-one by volume mix ratios. Vacuum degassing is not necessary and ReoFlex® rubbers cure with negligible shrinkage to a durable rubber that will last in production. ReoFlex® "Wet" rubbers will shrink somewhat over time vs. "Dry" formulations.

ReoFlex® mold rubbers are used for a variety of applications including making molds to reproduce sculpture and architectural elements, as well as for making special effects, toys and prototypes. Vibrant colors can be achieved by adding So-Strong® Color Tints, available from Smooth-On.

Casting Concrete? Look into the VytaFlex® series of urethane mold rubbers. VytaFlex® urethanes were formulated specifically for casting concrete / pigmented concrete and feature Smooth-On's exclusive 'V-Polymer®' technology.

General Information			
Features	Durable		
	Good Colorability		
	Low Shrinkage		
Uses	Modeling Material		
	Prototyping		
	Toys		
Appearance	Off-White		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D1475
Specific Volume	0.965	cm ³ /g	
	1:1 by weight		
Mixing Ratio	1:1 by volume		
Molding Shrinkage - Flow	< 0.010	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.77	MPa	ASTM D412
Tensile Strength (Break)	5.39	MPa	ASTM D412
Tensile Elongation (Break)	580	%	ASTM D412
Tear Strength ¹	23.1	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life	50	min	
Thermoset Mix Viscosity	1800	cP	ASTM D2393

Demold Time	960	min
NOTE		
1.	Die C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

