Vytaflex® 20

Polyurethane

Smooth-On, Inc

Message:

Using Smooth-On's exclusive "V-Polymer®" technology, VytaFlex® urethane rubbers offer superior physical and performance properties for casting concrete. VytaFlex® urethanes are available in 10A, 20A, 30A, 40A, 50A and 60A Shore hardness's and feature convenient one-to-one by volume mix ratios.

Vacuum degassing is not necessary and VytaFlex® rubbers cure with negligible shrinkage to a durable rubber that will last in production.

VytaFlex® mold rubbers work especially well for casting pigmented / colored concrete. Molds made with VytaFlex® Series urethanes will render accurate and uniform colored castings.

General Information			
Features	Durable		
	Low Shrinkage		
Uses	Modeling Material		
Appearance	Clear Amber		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.998	g/cm³	ASTM D1475
Specific Volume	1.00	cm³/g	
	1:1 by weight		
Mixing Ratio	1:1 by volume		
Molding Shrinkage - Flow	< 0.10	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	20		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.345	MPa	ASTM D412
Tensile Strength (Break)	1.38	MPa	ASTM D412
Tensile Elongation (Break)	1000	%	ASTM D412
Tear Strength [1]	10.5	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life	30	min	
Thermoset Mix Viscosity	1000	cP	ASTM D2393
Demold Time	960	min	
NOTE			
1.	Die C		

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

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