

Rubber Glass® II

Silicone

Smooth-On, Inc

Message:

Rubber Glass® II is a tin-catalyzed silicone rubber product developed specifically for special effects and display applications. Two liquids (3 Parts A + 1 Part B) are mixed together and poured into a container. The mixture cures overnight to a solid water clear rubber that can then be easily broken or "crumbled" into pieces that look exactly like broken glass, ice or diamonds. Vibrant colors are possible by adding Silc-Pig® liquid color pigments. Rubber Glass® II can be used to create a variety of special effects (i.e. simulated broken glass where human contact is required) and model effects (i.e. simulated ice or water). It can also be used for electronic encapsulation applications.

General Information	
Uses	Modeling Material
Appearance	Clear/Transparent
Processing Method	Casting Encapsulating

Physical	Nominal Value	Unit	Test Method
Specific Volume	1.03	cm ³ /g	
Mixing Ratio	3A:1B by volume		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	20		ASTM D2240
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	13	kV/mm	ASTM D149
Dielectric Constant (100 Hz)	3.17		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	120	min	ASTM D1475
Thermoset Mix Viscosity	1200	cP	ASTM D2393
Demold Time (23°C)	960	min	

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