

Equinox® 38 Medium

Silicone
Smooth-On, Inc

Message:

Equinox® Silicone Putty Products are new silicone compounds (platinum catalyst) that can be easily mixed and applied by hand to a variety of surfaces. Equinox® Putty is mixed in equal amounts (1A:1B) by volume. Equinox® 35 has a pot life of about 1 minute with a cure time of about 7 minutes at room temperature (73°F/23°C). Equinox® 38 has a pot life of 4 minutes with a cure time of 30 minutes and Equinox® 40 is a slower version with a 30 minute pot life and 5 hour demold time. Shrinkage is low and cured rubber is exceptionally strong (very high tensile strength), durable and will resist high temperatures (for casting low-temperature melt metal alloys). They also resist cure inhibition. Equinox® Silicones are also FOOD SAFE and can be used for culinary applications. (See separate technical bulletin for usage instructions available at www.smooth-on.com).

General Information			
Features	Durable		
	Food Contact Acceptable		
	Good Strength		
	High Heat Resistance		
	High Tensile Strength		
	Low Shrinkage		
Uses	Modeling Material		
Appearance	Purple		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm³	ASTM D1475
Specific Volume	0.768	cm³/g	ASTM D1475
Viscosity	Putty		ASTM D2393
Mixing Ratio	1A:1B by volume or weight		
Molding Shrinkage - Flow	0.030	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	38		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.820	MPa	ASTM D412
Tensile Strength (Break)	3.59	MPa	ASTM D412
Tensile Elongation (Break)	430	%	ASTM D412
Tear Strength ¹	24.5	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life	4.0	min	ASTM D2471
Demold Time	30	min	
NOTE			
1.	Die B		

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