

POYO Putty® 40

Silicone

Smooth-On, Inc

Message:

PoYo® Putty 40 is a two-component mold making silicones (tin catalyst) that can be mixed and applied "on site" - directly to almost any model. PoYo® Putty will hold any vertical surface and capture even the finest detail - perfect for making strong rubber molds that can be used within minutes. Use Less - Do More: Because PoYo® is applied as a thin layer, less material is used, saving you money. Molds are also lightweight, making them easier to handle. Pot life and cure time can be adjusted (faster or slower) by varying the amount of Part B catalyst. User Friendly - PoYo® Putty can be measured and mixed by volume (no scale necessary). It will stick to itself and other silicone rubbers, giving the user many application options or for using as a silicone rubber repair material.

PoYo® Putty has been used to make molds of valuable antiques and archeological models and can be used to make fast molds of sculpture, prototypes, candles, picture frames, coins, etc. You can cast wax, gypsum and a variety of resins into PoYo® Putty molds.

General Information			
Features	Good Strength		
Uses	Modeling Material		
Appearance	Pink		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D1475
Specific Volume	0.770	cm ³ /g	ASTM D1475
100A:6B by weight			
Mixing Ratio	20A:1B by volume		
Operating Temperature	-54 to 204	°C	
Molding Shrinkage - Flow	0.30	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3.10	MPa	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Tear Strength ¹	14.9	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	3.0 to 5.0	min	ASTM D2471
Demold Time (23°C)	30	min	
NOTE			
1.	Die B		

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