

# Plasti-Paste® Trowelable

Polyurethane  
Smooth-On, Inc

Message:

Plasti-Paste® is a two component fiber resin that is designed for vertical surface application. Part A is a liquid and Part B is a paste. Mix ratio is 1A : 3B by volume (41A:100B by weight). It has no odor and pot life is 8 - 10 minutes depending on mass. Demold time (can be handled) is about 90 minutes depending on mass. Plasti-Paste® holds a vertical surface without sagging and cures to a strong, durable and lightweight plastic. Suitable as a mother mold / support shell (reinforces shape of rubber mold during casting), or as a laminating material. Can be pigmented with So-Strong® color tints from Smooth-On. Add cabosil or other filler as an extender or for special effects.

General Information			
Features	Durable		
	Good Strength		
	Low to No Odor		
Uses	Laminates		
	Modeling Material		
Appearance	Off-White		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm <sup>3</sup>	ASTM D1475
Specific Volume	0.863	cm <sup>3</sup> /g	ASTM D1475
Viscosity	Paste		ASTM D2393
	41A:100B by weight		
Mixing Ratio	1A:3B by volume		
Molding Shrinkage - Flow	0.50	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1160	MPa	ASTM D638
Tensile Strength (Break)	11.0	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Flexural Strength	23.5	MPa	ASTM D790
Compressive Modulus	336	MPa	ASTM D695
Compressive Strength	23.6	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	54.4	°C	ASTM D648
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	8.0 to 10	min	ASTM D2471
Demold Time (23°C)	90	min	

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#### Recommended distributors for this material

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