

# PMC® 724

Polyurethane

Smooth-On, Inc

## Message:

Used by artists and industry the world over for a variety of design, casting and special effects applications, PMC®-724 is by far the most versatile urethane rubber compound available on the market today. It is inexpensive, mixes and pours easily, and will cure to a durable rubber with negligible shrinkage. Low viscosity ensures flawless pick-up of even the finest detail with minimal bubble entrapment.

PMC®-724 PUTS YOU IN CONTROL! Using optional 'Part D', you can thicken PMC®-724 to a paste-like consistency for vertical surface brush-on applications or for getting into those hard-to-reach undercuts. If you like to work with a more flexible rubber, optional 'Part C' is available to soften PMC®-724 all the way down to a Shore A6. Typical applications include reproducing sculpture (lost wax process), creating special effects, making fiberglass panel & part molds, on-site architectural restoration and new construction molds. A variety of colors and special effects can be achieved by adding SO-Strong® urethane colorants.

Important: This rubber will last and perform in production, often for hundreds of castings (depending on what you are casting into the mold). It also exhibits good physical properties and chemical resistance. But PMC-724® does not have a long "library life". Molds will soften and revert to a liquid within 2 - 5 years, depending on exposure to moisture. Smooth-On makes many different mold rubbers that offer a very long library life (25 years and more depending on application). Contact Smooth-On for information about its complete line of silicone and polyurethane mold rubbers.

General Information			
Features	Durable		
	Good Chemical Resistance		
	Low Shrinkage		
	Low Viscosity		
Uses	Modeling Material		
Appearance	Off-White		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm <sup>3</sup>	ASTM D1475
Specific Volume	0.737	cm <sup>3</sup> /g	
Mixing Ratio	10A:100B by weight		
Molding Shrinkage - Flow	< 0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.552	MPa	ASTM D412
Tensile Strength (Break)	4.14	MPa	ASTM D412
Tensile Elongation (Break)	> 700	%	ASTM D412
Tear Strength <sup>1</sup>	15.8	kN/m	ASTM D624
Compression Set	5.0	%	ASTM D395
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	20	min	ASTM D2471
Thermoset Mix Viscosity	4000	cP	ASTM D2393
Demold Time (23°C)	960	min	
NOTE			

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#### Recommended distributors for this material

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