

PMC® 744

Polyurethane
Smooth-On, Inc

Message:

PMC®-744 has been used for years by mold making professionals to cast plaster, concrete, resins, etc. It is excellent for making molds that are strong, durable and dimensionally stable. Low viscosity ensures fine detail reproduction.

PMC®-744 is ideal for making ceramic case molds and plaster block molds, reproducing ornamental plaster, making molds for casting concrete, casting a variety of Smooth-On urethane resins, casting wax for making candles and making a mechanical rubber parts.

General Information			
Features	Durable		
	Good Dimensional Stability		
	Good Strength		
	Low Viscosity		
Uses	Modeling Material		
Appearance	Beige		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D1475
Specific Volume	0.994	cm ³ /g	
Mixing Ratio	2A:1B by weight		
Molding Shrinkage - Flow	< 0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	44		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	0.621	MPa	ASTM D412
Tensile Strength (Break)	2.07	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength ¹	15.8	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	15	min	ASTM D2471
Thermoset Mix Viscosity	3400	cP	ASTM D2393
Demold Time (23°C)	960	min	
NOTE			
1.	Die C		

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Recommended distributors for this material

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