

PMC® 780 Dry/Wet

Polyurethane

Smooth-On, Inc

Message:

PMC-780 is a premium performance urethane rubber that offers exceptional strength, durability and abrasion resistance. PMC-780 DOES NOT CONTAIN MOCA - a known cancer causing agent and hazard. Mixed two parts A to one part B by weight, PMC-780 pours easily and cures at room temperature with negligible shrinkage to a solid Shore 80A rubber.

Pick The One Best Suited For Your Application: Original PMC-780 Dry does not exude oil. New PMC-780 Wet contains a built-in release agent to aid in demolding concrete. (Note: "wet" rubber has a higher net shrinkage value over time vs. "dry " rubber.)

Both are used around the world for casting abrasive materials such as concrete (pre-cast concrete, making concrete stamping pads, etc.) and gypsum plasters with high exotherms. PMC-780 Dry is also commonly used to make rubber mechanical parts of varying configurations (gaskets, wheels, and pulleys) as well as ball mill liners and vibration/shock pads.

General Information			
Features	Durable		
	Good Abrasion Resistance		
	Good Strength		
	Low Shrinkage		
Uses	Gaskets		
	Liners		
	Modeling Material		
	Pulleys		
	Shock Absorbing Pads		
	Wheels		
Appearance	Amber		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D1475
Specific Volume	0.983	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)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.76	MPa	ASTM D412
Tensile Strength (Break)	6.21	MPa	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Tear Strength ¹	35.0	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Pot Life (23°C)	25	min	ASTM D2471

Thermoset Mix Viscosity	2000	cP	ASTM D2393
Demold Time (23°C)	2900	min	

NOTE

1. Die C

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Recommended distributors for this material

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