

# Por-A-Kast

## The Por-A-Kast Products

If you're like most of our customers, you'll begin using Por-A-Kast® for practicality's sake—it's durable, can be sanded and drilled, duplicates detail beautifully, and holds up even under the toughest circumstances. But the next thing you know, you'll be coming up with all kinds of creative ideas. You'll find you can carve Por-A-Kast, pigment it, and paint it. You'll come up with a million and one ways to fill and color it to achieve special looks and textures. You'll find yourself creating piece after piece, challenging Por-A-Kast to show off its ability to handle intricate detail and create stunning effects.

So, whether you're building computer parts, cinema models, architectural molding, or duck decoys, look to Por-A-Kast®. There's nothing like it to spur the imagination.

## Physical Properties of Por-A-Kast Products

Property	Clear Casting Resin	Mark 1	Mark 2	Mark 3	Mark 15
Shore Hardness	D84	D73	D73	D72	D78
Specific Gravity (Cured Elastomer)	1.05	0.99	1.05	1.05	1.14
Ultimate Tensile, PSI	6456	4700	4700	5000	8000
Elongation, %	<10	<10	<10	<10	<10
Rebound, Bashore, %	18	30	30	30	20
Reversion Temps.	270° F (132° C)	270° F (132° C)	270° F (132° C)	270° F (132° C)	270° F (132° C)
Shrinkage, in/in	.0015	0.0065	.0098	.01	<.001
Mix Ratio by Weight Curative:Prepolymer	1:1.04	1:1.12	0.901:1	0.903:1	1:1.09
Mix Ratio by Volume Curative:Prepolymer	1:1	1:1	1:1	1:1	1:1
Resin Shelf Life (Months)	12	12	12	12	12
Pot Life* (Minutes)	15	1.5	≅ 1.5	≅ 2	15
Cure Temperature	160° F (71° C) /72° F (22° C)	72° F (22° C)	72° F (22° C)	72° F (22° C)	160° F (71° C) /72° F (22° C)
Cure Time*	8 Hours /24 Hours	30 Minutes	30 Minutes	30 Minutes	1 Hour /6 Hours
Color	Clear	Off-White	White	White	White

\*Pot life and cure time will vary with mass, mold temperature, and the temperature of the components.

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