



# Pro-Cast Tool

## Description

Pro-Cast Tool (formerly PUR-Fect Tool) is a fast-cast polyurethane that features a 1:1 mix ratio for ease of use, low viscosity for fine detail reproduction, and a 60 - 90 minute demold for fast part production. This material is excellent for foundry patterns and core boxes.

## Physical Properties

Color (when mixed)	Gray
Mix Ratio (by weight or volume)	1:1
Mixed Viscosity (cps)	1,800
Gel Time (min. @ 72°F.)	10
Hardness (Shore D)	85
Compressive Strength <sup>[1]</sup> (psi)	6,800
Flexural Strength <sup>[2]</sup> (psi)	4,250
Flexural Modulus <sup>[2]</sup> (psi)	600,000
Tensile Strength <sup>[3]</sup> (psi)	2,800
Specific Gravity	1.82
Linear Shrinkage <sup>[6]</sup> (in./in.*)	0.001
Vol. Wt. Ratio (cu. in./ lb.)	15.2
Deflection Temperature @ 66 psi <sup>[7]</sup> (°F)	124°F
Demold Time (minutes)	60-90

\*-Actual shrinkage dependent upon mass

ASTM Tests: [1]-D695, [2]-D790, [3]-D638, [4]-D256, [5]-D696-98, [6]-D2566, [7]-D648

## Ordering Information

Item Number	Description	Net Wt.
056345	Pro-Cast Tool Gallon Unit	20 lbs

Physical and mechanical properties of tooling plastics herein reported are typical after a full cure of seven (7) days at room temperature or equivalent. Designated mix ratios must be adhered to for desired results.  
**READ SAFETY DATA SHEETS AND PRODUCT LABELS BEFORE USING PRODUCT**

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