



# Pro-Cast 10

## Description

Pro-Cast 10 resin and hardener polyurethane for rapid tooling gels in six to ten minutes and can be demolded after 30 to 60 minutes at room temperature. Available in black or tan, this material features a low mixed viscosity that produces excellent reproduction of detail. The low shrinkage casting system has a shore D hardness of 81 when fully cured.

## Physical Properties

Color (when mixed)	Black or Tan
Mix Ratio (by weight or volume)	1:1
Mixed Viscosity (cps)	1,500
Gel Time (min. @ 72°F.)	6-10
Hardness (Shore D)	81
Compressive Strength <sup>[1]</sup> (psi)	7,200
Flexural Strength <sup>[2]</sup> (psi)	5,000
Flexural Modulus <sup>[2]</sup> (psi)	570,000
Tensile Strength <sup>[3]</sup> (psi)	3,300
Tensile Modulus <sup>[3]</sup> (psi)	941,000
Izod Impact Strength <sup>[4]</sup> (ft-lbs./in.)	0.30
Specific Gravity	1.75
Linear Shrinkage <sup>[6]</sup> (in./in. *)	0.002
Vol. Wt. Ratio (cu. in./ lb.)	15.8
Deflection Temperature @ 66 psi <sup>[7]</sup> (°F)	139°F
Demold Time (minutes)	30-60

\*-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.
056361	Pro-Cast 10 Black Gallon Unit	20 lbs
056362	Pro-Cast 10 Tan 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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