



Pro-Cast 3-33

Description

Pro-Cast 3-33 polyurethane for rapid tooling features a seven to ten minute work life for large castings. It can be demolded after 60 to 90 minutes at room temperature. This green system has a shore 85D hardness. Pro-Cast 3-33 offers excellent reproduction of details.

Physical Properties

Color (when mixed)	Green
Mix Ratio (by weight or volume)	1:1
Mixed Viscosity (cps)	1,500
Gel Time (min. @ 72°F.)	7-10
Hardness (Shore D)	85
Compressive Strength ^[1] (psi)	7,400
Flexural Strength ^[2] (psi)	4,900
Flexural Modulus ^[2] (psi)	580,000
Tensile Strength ^[3] (psi)	3,100
Izod Impact Strength ^[4] (ft-lbs./in.)	0.28
Specific Gravity	1.78
Linear Shrinkage ^[6] (in./in.*)	0.002
Vol. Wt. Ratio (cu. in./ lb.)	15.6
Deflection Temperature @ 66 psi ^[7] (°F)	139°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.
056366	Pro-Cast 3-33 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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