

# 3340/3360

**Fibre Glast Developments Corporation**  
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## Urethane Casting Resin - Shore A



Pour tough, flexible parts with Urethane Casting Resin Shore A. Available in two hardness variations, 40 Shore A and 60 Shore A. These urethane casting resins offer ease of use for softer, resilient part requirements. These urethane casting resins have been designed specifically for the pouring of prototype and production parts and can accept pigments to achieve opaque colors in finished castings.

When mixed thoroughly, pour the urethane slowly to aid the release of any air bubbles. When using Urethane Casting Resin Shore A kits, avoid water and all types of moisture contamination. Do not use any urethane kit with PVA Release Film, and do not mix with wooden mixing sticks. #2333 Plastic Paint Stirrers for Urethanes are recommended. To ensure a proper release from a mold, use at least four layers of #4121 Non-Silicone High Temp Paste Wax. Urethane Casting Resins with Shore A hardness can completely cure at room temperature, but can also be heat cured up to 150°F for faster production rates.

**\*\*\*NOTICE\*\*\***

CONTAINS SOLID STABILIZER AT BOTTOM OF CONTAINER. STIRRING NOT NECESSARY. USE CLEAR LIQUID FROM TOP. LEAVE STABILIZER IN BOTTOM OF CONTAINER. DISCARD CAN WHEN ALL CLEAR LIQUID HAS BEEN USED.

Product Properties	3340 Part A	3340 Part B
Color	Light Amber	Light Amber
Viscosity	1,150-1,200 cps	25 cps
Specific Gravity	1.03-1.05	1.07-1.09
Product Properties	3360 Part A	3360 Part B
Color	Light Amber	Light Amber
Viscosity	1,550-1,650 cps	25-35 cps
Specific Gravity	1.03-1.05	1.09-1.11

Mechanical Properties	3340 When Mixed	Mechanical Properties	3360 When Mixed
Mix Ratio by Weight	100:75	Mix Ratio by Weight	100:55
Pot Life @ 77°F	25 Minutes	Pot Life @ 77°F	15 Minutes
Color	Light Amber	Color	Light Amber
Mixed Viscosity @ 77°F	800-850 cps	Mixed Viscosity @ 77°F	1,300-1,400 cps
Cured Hardness Shore A	35-45 A	Cured Hardness Shore A	55-65 A
Shrinkage	<0.0006 in/in	Shrinkage	<0.0008 in/in
Specific Gravity	1.055-1.060	Specific Gravity	1.060-1.062

Information present herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

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## Mechanical Properties Continued

Mechanical Properties	3340 When Mixed	Mechanical Properties	3360 When Mixed
Tensile Strength	>800 psi	Tensile Strength	>1,400 psi
Elongation at Break	>525%	Elongation at Break	>500%
Modulous at 100% Elongation	175 psi	Modulous at 100% Elongation	300 psi
Modulous at 200% Elongation	300 psi	Modulous at 200% Elongation	560 psi
Modulous at 400% Elongation	520 psi	Modulous at 400% Elongation	1,010 psi
Tear Strength	>180 pli	Tear Strength	>195 pli
Compression Set	45%	Compression Set	29%
Bashore Rebound	65%	Bashore Rebound	60%
Taber Abrasion(1)	<6 mg	Taber Abrasion(1)	<10.2 mg

1. H18 Wheel, 1000 grams, 1000 cycles, mg loss

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