

EASYCAST®

New formula 65 SHORE D POLYURETHANE CASTING SYSTEM

PRODUCT DESCRIPTION

Easycast® is a two-component rigid urethane casting compound. It cures to Shore 65D and is white in colour. Easycast® is a rapid setting material that demonstrates slightly more flexibility than other similar materials. Easycast® is machinable, can be sanded, drilled, turned and ground. Easycast® accepts a wide range of fillers and can reproduce the most minute detail as a result of its extremely low viscosity. This system is easily pigmented and fast turnover of parts can be achieved. Easycast® is commonly used for Architectural Models, Model Kits, Collectibles, Masters and Prototypes, Movie Props, Mirror/Picture Frames & Ornamental Mouldings and Decorative Components

Physical Properties

Hardness		Shore D	65±2
Specific Gravity, cured		[g/cc]	1.03
Colour			White
Ultimate Tensile		[psi]	4730
Elongation		[%]	9.4
Heat Deflection		[°C]	75
Shrinkage, linear	unfilled	[in/in]	0.0041

Handling Properties

Mix Ratio	By Weight	Part A	100 pbw
		Part B	90 pbw
Mix Ratio	By Volume	Part A	100 pbv
		Part B	100 pbv
Viscosity	cps @ 25°C	Mixed	60
Work Time	100g mass @ 25°C		2 – 2.5 minutes
Gel Time	100g mass @ 25°C		3-4 minutes
Demould Time	@ 25°C		15+ minutes (note 1)
Cure Schedule	7 days ambient; or demould followed with post cure of 16 hours @ 70°C is recommended to promote maximum physical properties as given above		

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The data presented in this bulletin are in accordance with the present state of our knowledge, and does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the product for a particular purpose.

Note 1:

EASYCAST® generally cures to a demouldable state in about 15 minutes; however, thin sections or certain part configurations may require more in-mould cure time. Sections that are less than 3mm may require and 30 minutes or more before demould.

Note 2:

Both components should be mixed before each use to ensure uniformity of the materials. Opened containers of material should be purged with F720 Dry Air Blanket prior to replacing lids or caps, to prevent moisture contamination from humid air.

Storage:

Store at room temperature in a dry area.

Pack Sizes Available:

U-ECAST-VT	475gm kit
U-ECAST-T	950gm kit
U-ECAST-S	1.9kg kit
U-ECAST-M	9.5kg kit
U-ECAST-L	34.2kg kit

Safety Precautions:

Use in a well ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction.

Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

If Contact Occurs:

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Seek medical attention if allergic reactions occur.

Eyes: Immediately flush with water for at least 15 minutes, contact a physician.

Ingestion: If swallowed, contact a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.