



MASTER FAST-CAST POLYURETHANES



➔ **Master Fast-Cast Polyurethanes** are highly filled, rigid, and fast setting. They offer low exotherm, shrink, and cost for producing foundry patterns, molds, fixtures, prototype vacuum form molds, or prototypes. These urethanes are manufactured exclusively by Freeman.

Specifications

	Mix Ratio R:H (by wt. or vol.)	Gel Time (min.) @ 72°F	Demold Time (min.) @ 72°F	Hardness (Shore D)	Specific Gravity	Mixed Viscosity (cps) @ 1 min.	Volumetric Yield (in. ³ /lb.)	Shrink (in./in.)*	Compressive Strength (psi)	Flexural Strength (psi)	Flexural Modulus (psi)	Tensile Strength (psi)	Tensile Modulus (psi)	Izod Impact (ft. lb./in.)	Deflection Temp. (°F)	C.T.E. (in./in./°F)
Master Dyna-Cast	1:1	6-7	60	85	1.9	1,500	14.5	0.0010	7,841	4,705	803,333	2,663	990,833	0.31	148°F/64°C	-
Master Cast 783	1:1	7-8	60-90	85	1.9	1,650	14.5	0.0010	6,500	3,500	900,000	3,000	902,000	0.30	125°F/51°C	-
ASTM Tests	-	-	-	D-2240	D-792	-	-	D-2566	D-695	D-790	D-790	D-638	D-638	D-256	D-648	D-696-88

*Dependent upon mass.

Master Dyna-Cast

- ▶ 6-7 min. gel time
- ▶ 60-90 min. demold



Master Dyna-Cast is the most popular fast-cast urethane in the Master line.

This two-component material features a perfect blend of gel time, demold time, and accuracy for a wide range of uses. Its low odor, viscosity, and shrinkage all work together for detailed and precise duplications. It is perfect for producing durable foundry patterns, core boxes, and fixtures.

Master Cast 783

- ▶ 7-8 min. gel time
- ▶ 60-90 min. demold

Master Cast 783 is a two-component urethane that is ideal for a variety of applications. This product also features low moisture sensitivity and fast demold times without sacrificing accuracy.

PROTECT POLYURETHANES WITH FREEMAN 302!

Freeman 302 is an inert gas used to preserve and prolong the usable life of moisture-sensitive polyurethanes. Before resealing your containers, spray a short burst in the open container and seal immediately. Repeat after every use.



For part numbers, technical documents, and ordering, visit our website at www.FreemanSupply.com.



Join Freeman 360° today! Use your Customer Number to create an online account on FreemanSupply.com!

Your Freeman Customer Number can be found on any invoice.

