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FASTCAST

Technical Bulletin

FastCast™ is a two component, 100% solids, casting urethane. The product is odorless and sets in 10 minutes at 70°F / 21°C. Cast pieces can be de-molded within 10 to 15 minutes. Cured pieces are hard yet durable, and can be drilled, sanded, carved, tapped, machined, stained and painted. These characteristics make it ideal for fast prototyping and quick duplication of original pieces where high tensile strength and flexibility are required.

PHYSICAL PROPERTIES:

	COMPONENT A	COMPONENT B
Viscosity, cps@74°F	200±100	315±100
Weight per gallon, lbs.	9.0	8.2
Solids by weight, %	100	100
Mix ratio, by weight	50	50
Mix ratio, by volume	50	50

CURED MATERIAL PROPERTIES:

	TEST METHOD	RESULTS
Density, lbs./ft ³	ASTM D-1622	70
Tensile strength, psi	ASTM D-412	2560
Elongation, %	ASTM D-412	6
Shore D hardness	ASTM D-2240	75
Shrinkage, linear inch	Unfilled	0.01
Color	Visual	White

REACTIVE DATA:

Gel time, seconds	150 – 180 at 70°F
De-mold time, minutes	10 – 15 at 70°F

STORAGE:

Store material in its original, sealed containers at temperature between 65°F / 18°C and 75°F / 24°C. Shelf life of unopened material is six months under recommended storage conditions. Do not open containers until the material is ready for use to avoid air entrapment. Opened containers, contents should be used as soon as possible, as the remaining product will be affected by moisture and air introduced when opened.

WARRANTY:

The recommendations given here serve only as a guide. Because of variables of temperature, humidity, types of molds, colorants and fillers, we cannot guarantee results. Our liability is limited to the replacement price of the product.

The makers of *Envirotex* the original high gloss polymer coating