

DESCRIPTION

Rim Cast 100 is a very low viscosity, rapid setting and rigid urethane compound. This system will cure to a hard, tough impact resistant casting. Rim Cast 100 is non-sensitive to moisture after cure and will readily bond to itself as stage pours are required. The 1:1 mix ratio by volume makes for easy hand or machine mix. Rim Cast 100 is recommended in applications where a “thermoplastic feel” is desired.

FEATURES

- Convenient 1:1 mix ratio by volume
- Low viscosity
- High strength and durometer
- Good adhesion between pours

WORKING PROPERTIES

Uncured	Test Methods (ASTM)	Value
Viscosity Part A at 72 F, cps	D-2392-71	400
Viscosity Part B at 72 F, cps	D-2392-71	800
Viscosity Mixed at 72 F, cps	D-2392-71	600
Mixed Ratio by Volume		100-A/100-B
Mixed Ratio by Weight		100-A/96-B
Weight per gallon, lbs		9.19
Cubic inches per pound		25.14

Cured	Test Methods (ASTM)	Value
Hardness – Shore D	D-2240-68	75
Tensile strength, psi	D-638	5,600
Elongation, %	D-638	3.5
Tear strength, psi	D-624 Die C	N/A
Shrinkage in inches	D-2566	0.0052
Color		Amber

Cure Schedule	Test Methods (ASTM)	Value
Pot Life	D-2471-71	5-7 min
Demold Time		20-30 min
Full Cure		24 hrs

Suggested Uses

Casting, Potting, Encapsulating