

CE 5790

Product Information

CE 5790 is a High Performance designed for custom roto casting where improved heat distortion is desired at elevated temperatures. CE 5790 can be hand mixed or processed through plural component, high pressure or low pressure dispensing equipment. CE 5790 exhibits excellent flow, wetting and sand-ability properties. Once fully cured, CE 5790 is tough with excellent impact resistance along with excellent chemical and water resistance.

Physical Properties (Components)

	Component A	Component B
Viscosity at 75°F (cps)	1000 - 1300	1200 - 1500
Specific Gravity (gr/ml)	1.18 – 1.20	1.00 – 1.01

Physical Properties (Final Product)

Hardness, Shore D, ASTM D-2240	70 - 74
Tensile Strength (psi), ASTM D-638	3700 - 4300
Elongation (%), ASTM D-638	90 – 100
Modulus of Elasticity (ASTM D638)	22000 – 23800
Deflection Temperature psi (ASTM D648)	52
Color	White

Handling Characteristics

Mix Ratio by Weight	53a / 47b
Gel Time (at 75°F), (seconds)	180 - 240
Tack Free Time (seconds)	at Gel
Demold Time	10-20 minutes
90% Cure Time (hours)*	24

(*) Final physical properties will be reached in a course of several days.

Storage and Shelf Life

Components should be kept well sealed in a dry place from 70 to 90°F. Shelf life of unopened containers is six (6) months from manufacturing date. Mix Component B well prior to each use. Purge opened containers with dry nitrogen before resealing. Refer to product MSDS for more information.

Packaging

Component A:	55 gallon steel drum (closed top)	500 lb	Net Weight
Component B:	55 gallon steel drum (open top)	450 lb	Net Weight

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