



EPOXY CASTING SYSTEMS

SURFACE & MASS CASTING

FOR FILLED TOOLING SYSTEMS • VARIABLE CASTING THICKNESS AVAILABLE

EPOXY CASTING SYSTEMS - ROOM TEMPERATURE

Product	Hardener	Tg (°F)	Shore Hardness	Max Casting Thickness	Cured Color	Pot Life (min/g)	Description & Applications
AC 2310	AC 2310 H	160	93 D	2"	Gray	240/440	Abrasion-resistant system for stretch forms, hydroform, and drop hammer dies
TCC-401	TCC-104 H	180*	80 D	< 1"	Black	30/500	Abrasion-resistant, iron-filled system for cast hydroform tools, stretch form blocks, and metal forming dies
	TCC-104-5 H	180*	80 D	< 4"	Black	50/500	
	TCC-105 H	180*	80 D	> 4" with bulk fill	Black	90/500	
TCC-410	TCC-104 H	180*	84 D	< 1"	Gray	60/500	Aluminum-filled, impact-resistant system for surface casting on prototype stamping dies

* Peak Operating Temperature

EPOXY CASTING SYSTEMS - HIGH TEMPERATURE

Product	Hardener	Tg (°F)	Shore Hardness	Max Casting Thickness	Cured Color	Pot Life (min/g)	Description & Applications
TCC-410	TCC-104-5 H	210*	84 D	< 4"	Gray	100/500	Aluminum-filled system for mass casting applications where high impact resistance is desired
	TCC-105 H	240*	84 D	> 4" with bulk fill	Gray	150/500	
EC-440	EC-440 H	208	95 D	6"	Lt. Amber	70/260	Binder resin for ceramic-filled casts and back filling of nickel shell mold surfaces. Requires use of N5/N51 fillers
TCC-626	TCC-116 A H	217	85 D	1"	Black	120/500	Impact-resistant system with excellent thermal shock for surface casting applications
EC-439	EC-439 H	270	89 D	6"	Lt. Amber	180/260	Binder resin for ceramic-filled cast tooling for low volume production of RIM, RTM, and cold compression molds. Requires use of N5/N50 fillers
EC-433	EC-433-4 H (Slow)	285	91 D	< 3"	Gray	270/1,356	Aluminum-filled system for production of vacuum form molds, prototype plastic injection molding, RIM, and back filling of laminated or spray metal mold surfaces
	EC-344-2 H (Fast)	288	90 D	< 1"	Gray	120/336	
	EC-433-3 H (Medium)	305	90 D	1"	Gray	200/1,356	
EC-415	EC-415 H	428	89 D	3"	Gray	150/200	Aluminum-filled system with excellent thermal conductivity for cast autoclave molds, plastic injection molds, and compression molding applications

* Peak Operating Temperature



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