

RenCast® Epoxy Casting Resins Specifications

	Mix Ratio Resin to Hrd'nr by wt.	Mix Ratio Resin to Hrd'nr by vol.	Gel Time (min)	Mixed Viscosity Brookfield (cps.)	Density (g/cc)	Volumetric Yield (in. ³ /lb.)	Hardness (Shore D)	Ultimate Compressive Strength (psi)	Ultimate Flexural Strength (psi)	Ultimate Tensile Strength (psi)	Coefficient Of Thermal Expansion (in./in./°F)	Tg (°F)	Shrinkage (in/in) (Cast)
Aluminum-Filled Epoxy Casting Resins													
RenCast 200	100:10	100:19	90	25,000	1.74	15.9	88	12,000	10,600	6,000	1.31 x 10 ⁻⁵	158	0.0017
RenCast 3262	100:10	100:16	45	20,000	1.70	16.7	86	14,400	10,300	7,300	2.70 x 10 ⁻⁵	180	0.003
RenCast 3269	100:9	100:18	60	4,300	1.78	15.6	87	14,400	13,000	8,700	3.76 x 10 ⁻⁵	171	0.001
RenCast 3269-1	100:12	100:23	150	4,600	1.70	16.3	87	12,500	11,600	7,300	3.80 x 10 ⁻⁵	146	0.003
RenCast 8269/Medium	100:10	100:15	90	4,300	1.67	16.6	88	20,000	10,900	9,200	2.8 x 10 ⁻⁵	210	-
RenCast 8269/Slow	100:18	100:28	180	22,000	1.61	17.2	85	15,600	6,800	5,500	2.2 x 10 ⁻⁵	171	-
High Temperature Aluminum-Filled Epoxy Casting Resins													
Ren Cast-It 2000	100:7	N/A	60	50,000	2.1	13.2	91	25,500	14,000	9000	1.47 x 10 ⁻⁵	408	0.001
RenCast 4036/ Ren 1500	100:6	100:10	60	20,000	1.69	16.5	90	30,000	7,500	6,500	1.90 x 10 ⁻⁵	300	0.004
RenCast 4036/ Ren 1511	100:13	100:22	140	15,000	1.58	17.6	91	25,800	9,300	6,300	2.25 x 10 ⁻⁵	350	0.005
RenCast 4037/ Ren 4037	100:13	100:22	140-165	12-18,000	1.58	17.6	91	25,800	9,300	6,300	2.25 x 10 ⁻⁵	350	0.005
RenCast 8236/Fast	100:6	100:10	107	18,200	1.66	16.7	90	33,900	11,300	8,000	2.3 x 10 ⁻⁵	307	-
RenCast 8236/Slow	100:13	100:21	240	21,000	1.62	17.1	91	32,580	12,811	8,100	2.4 x 10 ⁻⁵	294	-
Iron-Filled Epoxy Casting Resins													
RenCast 3209-1	100:10	100:25	90	15,000	2.04	13.5	75	16,500	8,400	5,500	2.60 x 10 ⁻⁵	160	0.005
RenCast 3209-2	100:11	100:28	240	15,000	2.15	12.9	85	11,500	8,000	5,000	3.20 x 10 ⁻⁵	138	0.006
RenCast 3215-1	100:9	100:17	65	3,600	1.76	15.9	90	13,300	7,600	6,000	2.40 x 10 ⁻⁵	162	0.005
RenCast 3215-2	100:18	100:35	200	3,600	1.65	16.9	88	11,100	7,300	4,900	3.80 x 10 ⁻⁵	154	0.004
RenCast 3215-3 mix 1	100:30	100:57	70	6,200	1.54	18	85	12,600	6,900	4,300	-	120	0.002
RenCast 3215-3 mix 2	100:40	100:76	65	5,400	1.51	18.3	70	Soft	300	1,200	-	93	0.002
RenCast 3215-3 mix 3	100:50	100:95	60	4,600	1.48	18.7	47	Rubbery	Rubbery	300	-	n/a	0.002
RenCast 3253	100:5	100:16	30	7,500	2.99	9.3	90	15,200	8,500	7,100	3.26 x 10 ⁻⁵	169	0.002
RenCast 3253-3	100:6	100:17	100	10,500	2.57	10.8	90	14,780	9,020	6,800	2.01 x 10 ⁻⁵	-	0.0007
RenCast 3261	100:5	100:16	25	35,000	2.94	9.4	88	16,500	8,500	6,000	3.00 x 10 ⁻⁵	180	0.003
Unfilled Epoxy Casting Resins													
RenCast 140	100:25	100:30	40	1,300	1.09	25.4	80	-	-	9,500	-	-	-
RenCast 3266 mix 1	55:45	100:100	32	2,500	1.12	25	75	14,000	2,200	2,000	-	136	0.002
RenCast 3266 mix 2	50:50	100:120	35	2,500	1.10	25.2	60	2,600	120	520	-	102	0.002
RenCast 3266 mix 3	45:55	100:150	39	2,500	1.10	25.2	40	Rubbery	Rubbery	Rubbery	-	-	0.002
ASTM			D-2471	D-2393	D-792	D-792	D-2240	D-695	D-790	D-638	D-3386	D-4065	D-2566