

Fast-Cast Polyurethanes Specifications

	Mix Ratio (by wt.)	Gel Time (min.) @ 77°F	Hardness (Shore D)	Specific Gravity	Shrinkage (in. / in.) *	Compressive Strength (psi)	Flexural Strength (psi)	Flexural Modulus (psi)	Tensile Strength (psi)	Tensile Modulus (psi)	Izod Impact Strength (ft. lbs. / in.)	Heat Deflection	Tg by DMA	Mixed Viscosity (CPS) @ 1 min.	Volumetric Yield (cu. in. / lb.)	Coefficient Thermal Expansion (in / in / °F)
Pro-Cast 10	100 : 100	6-10	81	1.75	0.002 **	7,200	5,000	570,000	3,300	941,000	0.3	139°F/ 59°C	203°F/ 95°C	1500	15.8	25.0 x 10 ⁻⁶
Pro-Cast 20	100 : 100	7-10	85	1.78	0.0017 **	7,400	4,900	580,000	3,100	941,000	0.28	139°F/ 59°C	190°F/ 88°C	1500	15.6	25.0 x 10 ⁻⁶
Pro-Cast 3-33	100 : 100	7-10	85	1.78	.002**	7,400	4,900	580,000	3,100	-	0.28	139°F/ 59°C	190°F/ 88°C	1500	15.6	25.0 x 10 ⁻⁶
Pro-Cast 132	100 : 100	5-7	84	1.71	0.0028 **	8,200	6,700	635,000	4,200	759,000	0.31	-	192°F/ 89°C	5000	16.3	35.0 x 10 ⁻⁶
Pro-Cast Tool	100 : 100	10	85	1.82	0.001	6,800	4,250	600,000	2,800	-	-	124°F/ 52°C	-	1800	15.2	33 x 10 ⁻⁶
RenCast 6426-1 w/ DT 082	100 : 100 : 300	7-8	70-80	1.5-1.6	0.0022	5,200	4,000	410,000	2,860	-	0.31	122°F/ 50°C	-	2,000 - 3,000	17.9	N/A
RenCast 6426-1 w/ DT 081	100 : 100 : 100	7-8	60-65	0.8	0.0028	5,500	3,700	340,000	2,400	-	0.24	122°F/ 50°C	-	2,000 - 3,000	34.6	N/A
RenCast 205-3 w/DT082	100: 100 : 300	37143	80-85	1.6-1.7	0.0027	5,700	4,800	500,000	2,900	-	0.36	-	180°F/ 82°C	2,000-3,000	16.8	N/A
RenCast 3265	100:100	3	78	1.7	0.005	5,000	3,000	400,000	2,000	-	-	135°F/ 57°C	-	5,000	16.2	4.1 x 10 ⁻⁵
ASTM					D-2566	D-695	D-790	D-790	D-638	D-638	D-256	D-648	D-4065			D-3386

* Dependent on mass

** Mold #1 (0.875 in. deep)

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