

RenCast® Polyurethane Elastomers Specifications

	Mix Ratio Resin:Hrd'nr (By Wt.)	Mix Ratio Resin:Hrd'nr (By Vol.)	Mixed Viscosity (cps) (5 min. @ 77°F)	Hardness (Shore)	Gel Time (min.)	Density (g/cc)	Vol. Wt. Ratio (in. ³ / lb.)	Tensile Strength (psi)	Elongation (%)	Tear Strength (ppi)	Shrink (in. / in.)	Color
RenCast 6400-1	10:100	9:100	1,300	52A	30	1.04	26.6	1,260	420	112	0.001	Off White
RenCast 6401-1	25:100	22:100	1,000	65A	20	1.07	25.9	1,820	340	171	0.0005	Off White
RenCast 6402-1	35:100	31:100	900	82A	20	1.08	25.6	2,200	320	180	0.001	Off White
RenCast 6403-1	50:100	44:100	800	92A	15	1.1	25.2	2,500	240	470	0.001	Off White
RenCast 6405	100:100	90:100	240	75D	20	1.07	25.9	5,300	13.3	300	0.0029	White
RenCast 6410-1	100:100	93:100	1,200	37A	30	1.04	26.6	505	330	74	0.003	Off White
RenCast 6419	100:80	100:85	450	85D	20	1.25	22.1	10,000	6.7	–	0.0023	Off White
RenCast 6434	25:100	25:100	500	35-40A	17	1.16	24.0	1,100	500	120	–	Lt. Amber
RenCast 6442	100:100	100:94	1,600	85A	28	1.09	25.4	2,100	525	290	0.001	Amber
RenCast 6443	100:60	100:60	2,450	95A	19	1.06	26.1	3,500	475	375	0.001	Amber
RenCast 6444	100:60	100:60	2,500	60D	27	1.05	26.4	3,400	325	550	0.001	Amber
RenCast 6463 Slow	100:100	100:100	500	79D	18-25	1.09	-	4,800	-	-	-	Clear
RenCast 6470	80:100	–	250-500	86D	60-80	1.23	22.5	4,700	1.3	–	0.0017	Off White
RenCast 6472	25:100	–	14,000	85D	120	1.7	16.3	5,000	0.76	–	0.002	Gray
TDT-178-59-1	36:100	50:100	4,000	88D	22	1.61	17.2	5,500	–	–	0.001	Red Brown
TDT-178-88R/ RP6444H	100:60	100:60	2,500	60D	27	1.05	26.4	3,400	325	550	0.001	Red
ASTM			D-2393	D-2240	D- 2471	D-792	D-792	D-412	D-638	D-624	D-2566	

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