

Ultralane[®] Polyurethane Casting System Selector Guide

	Mix Ratio A:B (By Wt.)	Mix Ratio A:B (By Vol.)	Mixed Viscosity (cps) @ 77°F)	Hardness (Shore)	Gel Time (min.)	Density (g/cc)	Tensile Strength (psi)	Elongation (%)	Tear Strength (ppi)	Shrink (in. / in.)	Color*	Applications / Special Features
720A/B	100:100	100:100	1200	82D	20	1.10	5100	40%	510	0.002	Water Clear	Clear, rigid parts, UV resistant
721A/B (Slow)	100:100	100:100	350	79D	18-25	1.09	4800	-	-	-	Water Clear	Clear, rigid parts, UV resistant
721A/C (Fast)	100:100	100:100	350	79D	4-6	1.09	4800	-	-	-	Water Clear	Clear, rigid parts, UV resistant
722A/B	100:100	100:100	350	23D/90A	60	1.08	2500	-	-	-	Water clear	Clear, tough parts, UV resistant
730A/B	100:50	100:50	200	75D	20	1.14	5,900	13	420	0.0024	Off White	Low cost casting resin
732A/B	80:100	-	250-500	86D	60-80	1.23	4,700	1.3	-	0.0017	Off White	Mass casting (can be highly filled)
733A/B	36:100	50:100	4,000	88D	22	1.61	5,500	-	-	0.001	Red Brown	Heat resistant / foundry
742A/B	100:100	100:94	1,600	85A	28	1.09	2100	525	290	0.001	Amber	Impact & abrasion resistant
743A/B	100:10	100:11	520	35A	23	0.97	700	650	370	0.0006	Clear light amber	Flexible parts, encapsulation, optical bonding and sealing
744A/B	100:60	100:60	2,500	60D	27	1.05	3400	325	550	0.001	Amber	Impact & abrasion resistant
747A/B	100:60	100:60	2,450	95A	19	1.06	3500	475	375	0.001	Amber	Impact & abrasion resistant
748A/B	100:50	100:50	2,450	95A	19	1.06	3500	475	375	0.001	Amber	Impact & abrasion resistant
749A/B	100:100	100:100	2,450	95A	19	1.06	3500	475	375	0.001	Amber	Impact & abrasion resistant
750A/B	10:100	9:100	1,300	52A	30	1.04	1260	420	112	0.001	Off White	Flexible molds and parts
751A/B	25:100	22:100	1,000	65A	20	1.07	1820	340	171	0.0005	Off White	Flexible molds and parts
752A/B	35:100	31:100	900	82A	20	1.08	2200	320	180	0.001	Off White	Flexible molds and parts
753A/B	50:100	44:100	800	88A	15	1.1	2500	240	470	0.001	Off White	Tough, abrasion resistant parts
753-1A/B	50:100	44:100	850	94A	20	1.1	2800	180	-	0.001	Red	Tough, abrasion resistant parts
754A/B	40:100	50A:100B	1400	70D	15	1.40	2500	30%	-	0.0002	Black	Tough, Filled Potting System
755A/B	100:100	90:100	240	75D	20	1.07	5,300	13.3	300	0.0029	White	Rigid parts casting
758A/B	100:100	93:100	1,200	37A	30	1.04	505	330	74	0.003	Off White	Very flexible molds & parts
759A/B	32:100	-	8,500	30-35A	14-18	1.125	-	-	-	-	Brown	Flexible surface coat
ASTM			D-2393	D-2240	D-2471	D-792	D-412	D-638	D-624	D-2566		

* Most Colors can be customized with clear or opaque tints or colorants. Also, many of the gel times and other properties can be customized to meet your needs.

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