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**Ultralane® 2-Part Urethane Potting & Encapsulating Materials Selector Guide**

	Mix Ratio A:B (By Wt.)	Mix Ratio A:B (By Vol.)	Mixed Viscosity @ 77°F (cps)	Hardness (Shore)	Pot Life (min.)	Cure Cycle	Tensile Strength, psi (% elongation)	Volume Resistivity (ohms-cm)	Thermal Conductivity (w/mK)	Color*	Applications / Special Features
Ultralane 713A/B	100A:20B	100A:22B		10-70A	2-3 hrs.	24 hrs. @ RT	Low to high	1 E13 – 1 E15	0.18	Yellow	Hydrophobic, high mechanical strength – mix ratio can be adjusted to vary hardness
Ultralane 741A/B	100a:17.5B	100A:17B	8000	90A	20	24 hrs. @ RT	2050 (375%)	3.4 E15	0.18	Amber or Black	Mil-M-24041 compliant, high performance urethane casting and potting compound.
Ultralane 754A/B	100A:40B	100A:50B		76D	25	24 hrs. @ RT	1200 (8%)	1 E15	0.60	Black	modules, sensors, capacitors, coils, submersible pumps, etc.
Ultralane 760A/761B	24A:100B	22A:100B	2800	78A	8 – 12	24 hrs. @ RT	1380 (160%)	7 E12	0.22	Black	Excellent adhesion. Resistant to thermal cycling and chemical exposure. Proven performance in Automotive sensors
Ultralane 777A/B	20A:100B	25A:100B	700	50A	25	24 hrs. @ RT	2600 (20%)	1 E14	0.70	Black	Tough, Semi-flexible. Potting & Sealing material. UL 94VO flame retardant.
Ultralane 778A/B	100A:50B	100A:50B	550	28A	8	24 hrs. @ RT	285 (250%)	1 E14	0.18	Black	Soft, fast setting encapsulant and sealant. High tear resistance and thermal shock resistance.
Ultralane 780A/B	100A:100B	100A:90B	4000	50A	60	24 hrs. @ RT	600 (350%)	1 E15	0.18	Amber or Black	Hydrophobic, low Tg/excellent cryogenic performance. Low Dielectric Constant. Low outgassing
Ultralane 780-40A/B	100A:10B	6A:1B	1200	40A	40	24 hrs. @ RT	480 (400%)	1 E15	0.18	Amber or Black	Hydrophobic, low Tg/excellent cryogenic performance. Low Dielectric Constant. Low outgassing
Ultralane 780-50A/B	100A:11B	100A:20B	1000	50A	30	24 hrs. @ RT	520 (280%)	1 E15	0.18	Amber or Black	Hydrophobic, low Tg/excellent cryogenic performance. Low Dielectric Constant. Low outgassing
Ultralane 780-70A/B	100A:30B	100A:50B	2400	70A	30	24 hrs. @ RT	1000 (150%)	1 E15	0.18	Amber or Black	Hydrophobic, low Tg/excellent cryogenic performance. Low Dielectric Constant. Low outgassing
Ultralane 781A/B	100a:18B	3A:1B	2000	80A	40	24 hrs. @ RT	630 (50%)	1 E16	0.40	Black	UL 94VO flame retardant.
Ultralane 781A/C	23-25A:100B	25A:100B	4000	90A	40	24 hrs. @ RT	850 (28%)	1 E14	1.1	Black	Mil-I-16923 and A-A-59877 compliant. Tough, impact resistant encapsulant. Good Balance of properties
Ultralane 782A/B	20A:100B	25A:100B	6000	75D	50	24 hrs. @ RT	1850 (23%)	1 E15	0.55	Black	UL 94VO flame retardant. High Voltage Devices – transformers, capacitors, connectors, sensors, etc. Excellent high temperature & chemical resistance
ASTM Test Method			D-2393	D-2240	D-2471			D-638	D-638		

\* 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.