

PROTHANE II™

(Abrasion resistant polyurethane)

PROTHANE II™ is a transparent, aqua blue, polyester polyurethane tubing that exhibits excellent abrasion resistance, has good low temperature properties and is resistant to ozone and oxidation.

PROTHANE II™ exhibits an excellent resilience to continuous flexing and impacting experienced in peristaltic pumps. The elastic recovery following compression is quite good and allows for a long flex life in many applications. Along with these exceptional features **PROTHANE II™** exhibits good hydraulic stability, good oil and fuel resistance and high tensile and tear strength. **PROTHANE II™** is resistant to diesel fuel, kerosene, motor oil, mild solvents, aromatic hydrocarbons, gasoline, and concentrated acid and alkaline solutions. The tubing should be tested with the chosen fluid in all cases.

Property	Physical Properties ASTM Test Method	Typical Values
Specific Gravity	D-792	1.18
Tensile Strength (psi)	D-412	2434
Ultimate Elongation (%)	D-412	870
Hardness (Shore 'A' Scale +/- 2)	D-2240	68 A
Normal Working Temperature (F)		(-40° to 180°)
Tensile set @ 100%	D-412	7.2%
100% Modulus (psi)	D-412	380
Compression set (%)	D-395B	19
Tear Strength (lbs per inch)	D-624	274
Color		Aqua-Blue

CAT. NO.	SIZE			PUMP TYPE	WORK WT/FT PSI	PRICE PER FOOT					
	I.D.	O.D.	WALL			1-49	50' COIL	100-249' COILED	250'	500' REEL(S)	1000' REEL(S)
US003015	0.031	0.156	0.063		4.06	211.9					
US006018	0.063	0.188	0.063	250	5.41	121.7					
US006021	0.063	0.218	0.078		7.54	143.6					
US012025	0.125	0.250	0.063	250	8.11	69.9					
US012037	0.125	0.375	0.125		21.64	121.7					
US018031	0.188	0.313	0.063		10.82	50.5					
US018037	0.188	0.375	0.094	300/500	18.26	69.9					
US025037	0.250	0.375	0.063		13.52	40.1					
US025043	0.250	0.438	0.094	300/500	22.31	55.5					
US025050	0.250	0.500	0.125		32.46	69.9					
US031043	0.313	0.438	0.063		16.23	33.6					
US031050	0.313	0.500	0.094		26.37	46.5					
US037050	0.375	0.500	0.063		18.93	29.0					
US037056	0.375	0.563	0.094		30.43	40.1					
US037062	0.375	0.625	0.125	610	43.28	50.5					
US037087	0.375	0.875	0.250		108.19	88.0					
US043056	0.438	0.563	0.063		21.64	25.7					
US050062	0.500	0.625	0.063		24.34	23.1					
US050068	0.500	0.688	0.094		38.54	31.9					
US050075	0.500	0.750	0.125	610	54.10	40.1					
US050087	0.500	0.875	0.188		89.26	55.5					
US062081	0.625	0.813	0.094		46.66	26.7					
US062087	0.625	0.875	0.125		64.92	33.6					
US062093	0.625	0.938	0.156	750	84.53	40.1					
US075100	0.750	1.000	0.125		75.74	29.0					
US075106	0.750	1.063	0.156	750	98.05	34.7					
US075125	0.750	1.250	0.250	880	173.11	50.5					
US100125	1.000	1.250	0.125		97.37	23.1					
US100137	1.000	1.375	0.188		154.18	31.9					
US100150	1.000	1.500	0.250	880	216.39	40.1					

**Call 1-800-531-5263
for pricing.**