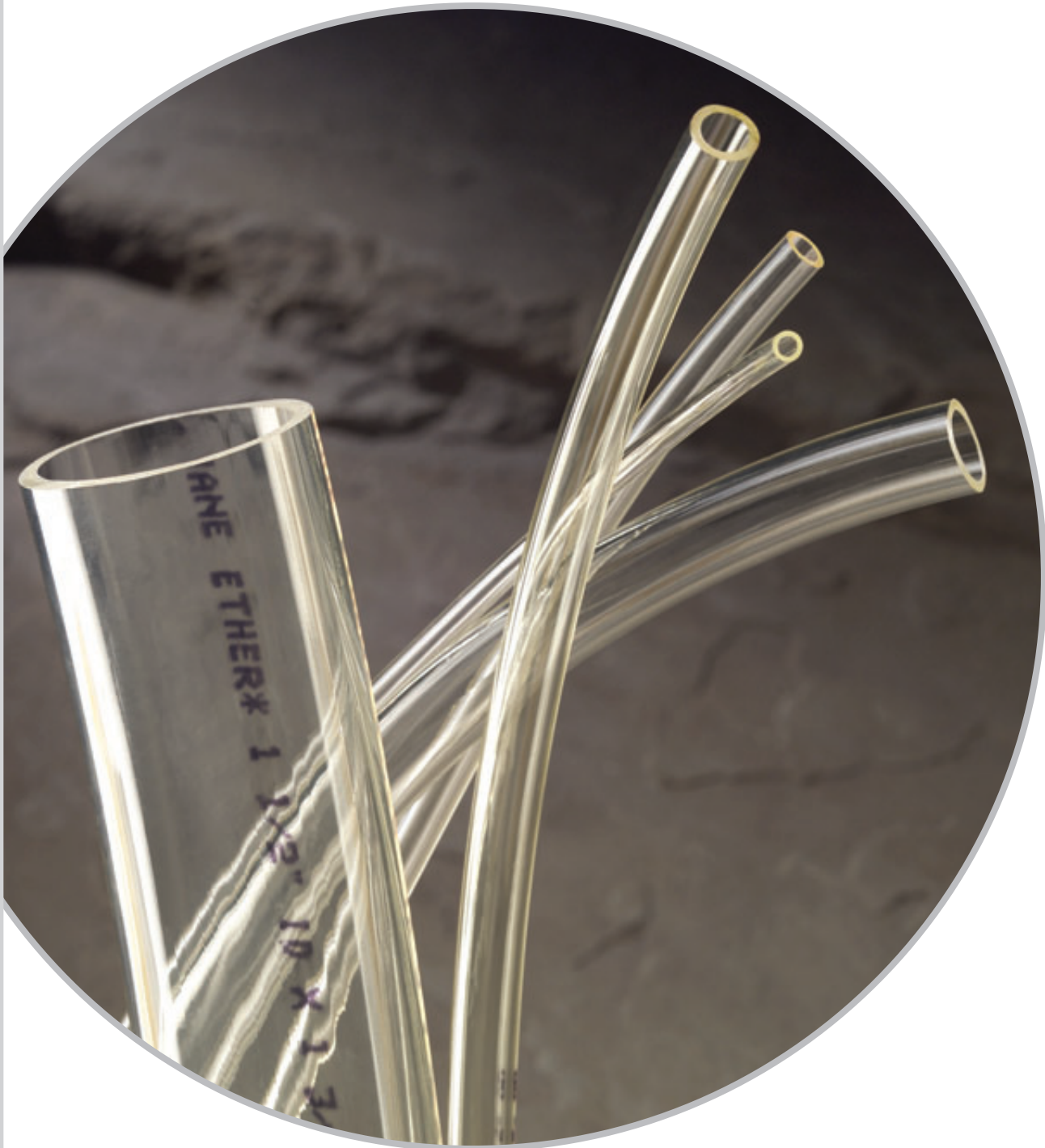


Superthane[®]

Transparent Polyurethane Tubing



Celebrating

55

Years
of Service

1954-2009

ESOP Employee Owned
for Your Benefit

NEWAGE[®]
INDUSTRIES

Fluid Transfer Specialists[®]

Transparent Polyurethane Tubing



- Available in Ester or Ether formulations
- Both formulations made from non-toxic ingredients conforming to FDA standards for use with wet and fatty food contact surfaces
- Transparent, flexible, resilient, tough; resistant to oils, greases, and fuels†
- Extremely resistant to weathering††, tearing, impact, radiation, and abrasion
- Wide range of temperature resistance: -95°F to 185°F (ester)
- Ether-based material is listed by the National Sanitation Foundation (NSF 61) for use with potable water
- Contains no plasticizer which could cause flow contamination or tube hardening
- Can be heat sealed, coiled, fabricated, or bonded



Made in U.S.A.

Notes

††Hydrolytic Stability — For resistance to moisture and fungi, SUPERTHANE ether is recommended. (Ester polyurethane does not react well with water, prolonged humid conditions, or attack from fungi.) Ether-based SUPERTHANE also resists attack from ultra-violet rays, making it a good material for outside use. The material used in its manufacture is listed by the National Sanitation Foundation (NSF 61).

SUPERTHANE is much more resistant to pressure and vacuum applications than corresponding sizes of PVC or rubber.

†Although polyurethane is commonly used in fuel applications, due to additives in today's gasoline and petroleum products, field testing should be performed.

When used with Thermobarb® fittings, SUPERTHANE will not require clamps, provided that working pressures remain at or below 105 psi at ambient temperature.

Custom coiled polyurethane is available — call for details.

For easy identification, SUPERTHANE is imprinted with the trademarked name.

Physical Properties**

	ESTER	ETHER
Hardness, Shore A ±5	85	85
Tensile Strength, psi	6000	5500
Elongation at Break, %	550	580
Brittle Temperature, °F	-95	-90
Maximum Operating Temp., °F	185	175

**Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Cam operated couplings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

Custom Services

- Cut
- Color
- Hot Bond
- Hardness
- Size
- Overbraid
- Heat-Form
- And More

Call for more information: 800-506-3924 or 215-526-2300

Transparent Polyurethane Tubing

PART NO. <i>ESTER</i>	PART NO. <i>ETHER</i>	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	LBS. PER 100 FT. <i>ESTER</i>	LBS. PER 100 FT. <i>ETHER</i>
200 0075	210 0070	1/16	1/8	1/32	100, 5000	135	405	.48	.45
	210 0070	1/16	1/8	1/32	500	135	405		.45
200 0152	210 0147	1/8	3/16	1/32	100	72	216	.79	.74
200 0229	210 0224	1/8	1/4	1/16	100, 1500	130	390	1.92	1.77
200 0383		.170	1/4	.040	500	70	210	1.37	
200 0460		3/16	1/4	1/32	100	27	81	1.13	
200 0537	210 0455	3/16	5/16	1/16	100	74	222	2.55	2.38
	210 0455	3/16	5/16	1/16	1000	74	222		2.38
200 0768	210 0609	1/4	5/16	1/32	100	33	99	1.42	1.33
200 0845	210 0686	1/4	3/8	1/16	100, 1000	67	201	3.19	2.98
200 0999	210 0840	1/4	1/2	1/8	100	131	393	7.66	7.15
200 0999		1/4	1/2	1/8	500	131	393	7.66	
200 1076	210 0917	5/16	7/16	1/16	100	65	195	3.83	3.57
200 1153		5/16	1/2	3/32	100	75	225	6.24	5.82
200 1230		5/16	9/16	1/8	100	118	354	8.93	
200 1307	210 1148	3/8	1/2	1/16	100	59	177	4.47	4.17
	210 1148	3/8	1/2	1/16	500	59	177		4.17
200 1384	210 1225	3/8	9/16	3/32	100	84	252	7.16	6.68
200 1461	210 1302	3/8	5/8	1/8	100	100	300	10.22	9.54
200 1615		7/16	11/16	1/8	100	80	240	11.48	
	210 1533	1/2	5/8	1/16	50	36	108		5.36
200 1692	210 1533	1/2	5/8	1/16	100	36	108	5.75	5.36
200 1692		1/2	5/8	1/16	300	36	108	5.75	
	210 1610	1/2	11/16	3/32	50, 100	48	144		8.47
200 1846	210 1687	1/2	3/4	1/8	50, 100	60	180	12.77	11.92
	210 1764	5/8	3/4	1/16	50, 100	40	120		6.56
200 2000	210 1841	5/8	13/16	3/32	50, 100	54	162	10.98	10.25
200 2077	210 1918	5/8	7/8	1/8	50, 100	60	180	15.33	14.30
	210 1995	3/4	15/16	3/32	50, 100	43	129		12.03
200 2231	210 2072	3/4	1	1/8	50, 100	51	153	17.88	16.69
200 2385	210 2226	7/8	1-1/8	1/8	50, 100	33	99	20.43	19.07
200 2539	210 2380	1	1-1/4	1/8	50, 100	40	120	22.99	21.46
	210 2534	1-1/2	1-3/4	1/8	25, 50, 100	31	93		30.99
	210 2688	2	2-1/4	1/8	25, 50	22	66		40.53

Add length suffix to part number when ordering. Example: 100 ft. of 1/8" I.D. x 3/16" O.D. ester tubing is part number 200 0152-100.

Cut coils are available from coils of 100 ft. or less; charges apply — call for details. Coils over 100 ft. are sold by standard coil length only. Due to the coil diameter, some larger sizes must ship via truck.

Tolerances: ID & OD ±3% but not less than ±.006".

BOLD indicates the critical dimension for fittings application.



Thermobarb® Plastic Plastic Barbed Fittings

- Precision molded in nylon-6, high density polyethylene, PVDF, polypropylene, glass-fiber reinforced nylon, or glass-fiber reinforced polypropylene
- Lightweight, compact, easy to install and disconnect
- High impact strength
- Excellent chemical resistance



Thermobarb® Brass Brass Barbed Fittings

- Formed of forged and/or machined brass
- Tapered pipe threads are made to Dryseal USA specifications
- An industrial standard — use in all general purpose applications
- May be used in potable water systems



Cam-Operated Couplings Four Plastic Materials

- Select from Nylon (glass-fiber reinforced), Polypropylene (glass-fiber reinforced), FDA-grade PVDF, or FDA-grade Polypropylene
- Much lighter weight than metal counterparts
- Made to MIL-C-27487 dimensions — fully interchangeable with other materials made to the same standards regardless of material

Request a Polyurethane catalog

Inside you'll find details on all of NewAge Industries' polyurethane products. Catalogs for PVC, silicone, rubber, fluoropolymer, and semi-rigid tubing and hose are available, as well as barbed fittings and clamps, push-to-connect fittings, and custom products. Contact your NewAge Industries' sales representative or local distributor to request a copy of the catalog you need, or visit www.newageindustries.com.



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6/19/09

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