

FRE-THANE® 95A

FRE-THANE® 95A durometer Polyurethane tubing is slightly harder than the 90A durometer tubing compound. With an increased wall rigidity, 95A tubing is compatible with most brands of push-to-connect pneumatic fittings. 95A tubing is tough and offers significantly higher working pressures, but is less flexible than lower durometer Polyurethane tubing.

Temperature Range: -40°F to +165°F★
Vacuum Rating: To 28" Hg.
Diameter Tolerances: 1/8" - 9/16" ±.005"
 3/4" ±.007"
Tube Markings: None
Working Pressure: 3 to 1 Safety Factor

★ For pressure/temperature data, see page 42.

O.D.	I.D.	Wall	Package Unit Size	Part Number & Color Code	Standard Tubing Colors Available	Working Pressure @75°F ★ @150°F		LBS. / 100'	Bend Radius	Fitting Type
1/8	.066	.030	50' Bag 250' Box 500' Reel 1000' Reel 2500' Reel	1J-157- ____ 1L-157- ____ 1C-157- ____ 1B-157- ____ 1A-157- ____	01-Black, 04-Gray, 05-Red, 06-Green, 07-Blue, 08-Yellow, 09-Orange, 10-Clear, 11-White, 12-Purple, 14-Lt. Gray, 25-Trans. Red, 26-Trans. Green, 27-Trans. Blue, 28-Trans. Yellow	233 PSI	116 PSI	0.5	1/4	Barb & Push-in
5/32	3/32	.031	100' Bag 500' Reel 1000' Reel 2500' Reel	1J-156- ____ 1C-156- ____ 1B-156- ____ 1A-156- ____	01-Black, 02-Brown, 04-Gray, 05-Red, 06-Green, 07-Blue, 08-Yellow, 09-Orange, 10-Clear, 11-White, 12-Purple, 25-Trans. Red, 26-Trans. Green, 27-Trans. Blue, 28-Trans. Yellow	176 PSI	88 PSI	0.7	3/8	Barb & Push-in
3/16	.107	.040	100' Bag 1000' Reel	1J-107- ____ 1B-107- ____	01-Black, 05-Red, 07-Blue, 10-Clear	150 PSI	75 PSI	1.01	3/8	Push-in
1/4	1/8	.062	100' Bag 500' Reel 1000' Reel	1J-169- ____ 1B-169- ____ 1A-169- ____	01-Black, 04-Gray, 05-Red, 06-Green, 07-Blue, 08-Yellow, 09-Orange, 10-Clear, 11-White, 26-TR. Green, 27-TR. Blue, 29-Trans. Orange	194 PSI	97 PSI	2.0	3/8	Barb & Push-in
1/4	.160	.045	100' Bag 500' Reel 1000' Reel	1J-151- ____ 1B-151- ____ 1A-151- ____	01-Black, 02-Brown, 04-Gray, 05-Red, 06-Green, 07-Blue, 08-Yellow, 09-Orange, 10-Clear, 11-White, 12-Purple, 25-Trans. Red, 26-Trans. Green, 27-Trans. Blue, 28-Trans. Yellow, 46-Neon Green	148 PSI	74 PSI	1.5	1/2	Barb, Push-in, Compression & Flexcoil Fitting
3/8	.245	.065	100' Bag 500' Reel	1J-152- ____ 1A-152- ____	01-Black, 04-Gray, 05-Red, 06-Green, 07-Blue, 08-Yellow, 10-Clear, 11-White, 27-Trans. Blue, 28-Trans. Yellow, 45-Neon Pink, 46-Neon Green	147 PSI	74 PSI	3.4	7/8	Barb, Push-in, Compression & Flexcoil Fitting
15/32	5/16	.079	50' Bag 250' Reel	1J-161- ____ 1A-161- ____	01-Black, 05-Red, 07-Blue, 08-Yellow, 10-Clear, 11-White, 27-Trans. Blue, 46-Neon Green	133 PSI	67 PSI	3.9	1-1/8	Barb & Flexcoil Fitting
1/2	.320	.090	50' Bag 250' Reel	1J-166- ____ 1A-166- ____	01-Black, 05-Red, 07-Blue, 08-Yellow, 10-Clear, 27-Trans. Blue	140 PSI	70 PSI	5.1	1-1/8	Barb & Push-in
9/16	3/8	.094	50' Bag 200' Reel	1J-163- ____ 1A-163- ____	01-Black, 05-Red, 06-Green, 07-Blue, 08-Yellow, 10-Clear, 27-Trans. Blue, 28-Trans. Yellow, 46-Neon Green	133 PSI	67 PSI	7.5	1-3/8	Barb & Flexcoil Fitting
3/4	.467	.142	150' Reel Cut Length	1A-176- ____ 1E-176- ____	05-Red, 07-Blue, 08-Yellow, 10-Clear, 27-Trans. Blue	145 PSI	73 PSI	14.9	1-1/2	Barb & Flexcoil Fitting

Other Sizes, colors, printing & packaging options (Including Dispenser Boxes) may be available, please call Freelin-Wade.

MFG1 : Eastern Industrial Automation
 MFG2 : IEWC
 MFG P/N : see detail
 NAI P/N : see detail
 Rev : N2
 ENG : Bruce

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Item	NAI PN	Eastern Industrial	IWC PN (second source)	CPN	Print Contents	Description	FREELIN WADE PN
1	N030254	N030254	N030254	3860-01331	EV0-CH A WAFER LIFT UP	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
2	N030255	N030255	N030255	3860-01331	EV2-CH B WAFER LIFT UP	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
3	N030256	N030256	N030256	3860-01153	EV4-LLA DOOR OPEN	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
4	N030257	N030257	N030257	3860-01152	EV6-XFER CRYOGATE OPEN	TBGPLSTC 1/8 OD 1/16 ID URETHANE OPAQUE BL	1C-157-01
5	N030258	N030258	N030258	3860-01153	EV8-LLA CRYOGATE OPEN	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
6	N030259	N030259	N030259	3860-01152	EV10-XFER CH FAST VENT	TBGPLSTC 1/8 OD 1/16 ID URETHANE OPAQUE BL	1C-157-01
7	N030260	N030260	N030260	3860-01152	EV12-XFER CH ROUGH	TBGPLSTC 1/8 OD 1/16 ID URETHANE OPAQUE BL	1C-157-01
8	N030261	N030261	N030261	3860-01164	EV14-CH A ROUGH	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE CLF	1C-157-10
9	N030262	N030262	N030262	3860-01163	EV16-CH B VENT	TBG PLSTC 1/8 OD 1/16 ID URETHANE WHT OPAQ	1C-157-11
10	N030263	N030263	N030263	3860-01163	EV18-CH B FILL	TBG PLSTC 1/8 OD 1/16 ID URETHANE WHT OPAQ	1C-157-11
11	N030264	N030264	N030264	3860-01164	EV20-SPARE	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE CLF	1C-157-10
12	N030265	N030265	N030265	3860-01153	EV22-LLA SLOW VENT	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
13	N030266	N030266	N030266	3860-01153	EV24-LLA SLOW ROUGH	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
14	N030267	N030267	N030267	3860-01164	EV26-SPARE	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE CLF	1C-157-10
15	N030268	N030268	N030268	3860-01153	EV28-LLA SEAL	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
16	N030269	N030269	N030269	3860-01331	EV30-CH E CRYOGATE OPEN	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
17	N030270	N030270	N030270	3860-01330	EV1-CH A WAFER LIFT DOWN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
18	N030271	N030271	N030271	3860-01330	EV3-CH B WAFER LIFT DOWN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
19	N030272	N030272	N030272	3860-01153	EV5-LLA DOOR CLOSE	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
20	N030273	N030273	N030273	3860-01152	EV7-XFER CRYOGATE CLOSE	TBGPLSTC 1/8 OD 1/16 ID URETHANE OPAQUE BL	1C-157-01
21	N030274	N030274	N030274	3860-01153	EV9-LLA CRYOGATE CLOSE	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
22	N030275	N030275	N030275	3860-01152	EV11-XFER CH SLOW VENT	TBGPLSTC 1/8 OD 1/16 ID URETHANE OPAQUE BL	1C-157-01
23	N030276	N030276	N030276	3860-01164	EV13-CH A VENT	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE CLF	1C-157-10
24	N030277	N030277	N030277	3860-01164	EV15-CH A FILL	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE CLF	1C-157-10
25	N030278	N030278	N030278	3860-01163	EV17-CH B ROUGH	TBG PLSTC 1/8 OD 1/16 ID URETHANE WHT OPAQ	1C-157-11
26	N030279	N030279	N030279	3860-01152	EV19-XFER DIFFERENTIAL PUMP	TBGPLSTC 1/8 OD 1/16 ID URETHANE OPAQUE BL	1C-157-01
27	N030280	N030280	N030280	3860-01153	EV21-LLA DIFFERENTIAL PUMP VALV	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
28	N030281	N030281	N030281	3860-01153	EV23-LLA FAST VENT	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
29	N030282	N030282	N030282	3860-01153	EV25-LLA FAST ROUGH	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
30	N030283	N030283	N030283	3860-01164	EV27-SPARE	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE CLF	1C-157-10
31	N030284	N030284	N030284	3860-01153	EV29-LLA UNSEAL	TBGPLSTC 1/8 OD 1/16 ID URETHANE RED OPAQU	1C-157-05
32	N030285	N030285	N030285	3860-01330	EV31-CH E CRYOGATE CLOSE	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
33	N030286	N030286	N030286	3860-01331	EV0-CH E WAFER LIFT UP	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
34	N030287	N030287	N030287	3860-01331	EV2-CH F WAFER LIFT UP	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
35	N030288	N030288	N030288	3860-01158	EV4-LLB DOOR OPEN	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE G	1C-157-06
36	N030289	N030289	N030289	3860-01161	EV6-BUFFER CRYOGATE OPEN	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE PF	1C-157-12
37	N030290	N030290	N030290	3860-01158	EV8-LLB CRYOGATE OPEN	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE G	1C-157-06
38	N030291	N030291	N030291	3860-01161	EV10-BUFFER CH FAST VENT	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE PF	1C-157-12
39	N030292	N030292	N030292	3860-01161	EV12-BUFFER CH ROUGH	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE PF	1C-157-12
40	N030293	N030293	N030293	3860-01162	EV14-CH E ROUGH	TBG PLSTC 1/8 OD 1/16 ID URETHANE GRY OPAQ	1C-157-04

Item	NAI PN	Eastern Industrial	IWC PN (second source)	CPN	Print Contents	Description	FREELIN WADE PN
41	N030294	N030294	N030294	3860-01156	EV16-CH F VENT	TBG PLSTC 1/8 OD 1/16 ID POLYURETHANE OPAQ	1C-157-08
42	N030295	N030295	N030295	3860-01156	EV18-CH F FILL	TBG PLSTC 1/8 OD 1/16 ID POLYURETHANE OPAQ	1C-157-08
43	N030297	N030297	N030297	3860-01158	EV22-LLB SLOW VENT	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
44	N030298	N030298	N030298	3860-01158	EV24-LLB SLOW ROUGH	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
45	N030300	N030300	N030300	3860-01158	EV28-LLB SEAL	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
46	N030301	N030301	N030301	3860-01331	EV30-CH F CRYOGATE OPEN	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
47	N030302	N030302	N030302	3860-01330	EV1-CH E WAFER LIFT DOWN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
48	N030303	N030303	N030303	3860-01330	EV3-CH F WAFER LIFT DOWN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
49	N030304	N030304	N030304	3860-01158	EV5-LLB DOOR CLOSE	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
50	N030305	N030305	N030305	3860-01161	EV7-BUFFER CRYOGATE CLOSE	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE PF	1C-157-12
51	N030306	N030306	N030306	3860-01158	EV9-LLB CRYOGATE CLOSE	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
52	N030307	N030307	N030307	3860-01161	EV11-BUFFER CH SLOW VENT	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE PF	1C-157-12
53	N030308	N030308	N030308	3860-01162	EV13-CH E VENT	TBG PLSTC 1/8 OD 1/16 ID URETHANE GRY OPAQ	1C-157-04
54	N030309	N030309	N030309	3860-01162	EV15-CH E FILL	TBG PLSTC 1/8 OD 1/16 ID URETHANE GRY OPAQ	1C-157-04
55	N030310	N030310	N030310	3860-01156	EV17-CH F ROUGH	TBG PLSTC 1/8 OD 1/16 ID POLYURETHANE OPAQ	1C-157-08
56	N030311	N030311	N030311	3860-01161	EV19-BUFFER DIFFERENTIAL PUMP	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE PF	1C-157-12
57	N030312	N030312	N030312	3860-01158	EV21-LLB DIFFERENTIAL PUMP VALV	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
58	N030313	N030313	N030313	3860-01158	EV23-LLB FAST VENT	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
59	N030314	N030314	N030314	3860-01158	EV25-LLB FAST ROUGH	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
60	N030316	N030316	N030316	3860-01158	EV29-LLB UNSEAL	TBG PLSTC 1/8 OD 1/16 ID URETHANE OPAQUE GF	1C-157-06
61	N030317	N030317	N030317	3860-01330	EV31-CH F CRYOGATE CLOSE	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
62	N030318	N030318	N030318	3860-01331	EV1-LLA SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
63	N030319	N030319	N030319	3860-01331	EV3-LLB SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
64	N030320	N030320	N030320	3860-01331	EV5-CH F SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
65	N030321	N030321	N030321	3860-01331	EV7-CH E SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
66	N030322	N030322	N030322	3860-01331	EV9-CH C SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
67	N030323	N030323	N030323	3860-01331	EV11-CH D SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
68	N030324	N030324	N030324	3860-01331	EV13-CH A SLIT CLOSE (BUFFER)	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
69	N030325	N030325	N030325	3860-01331	EV15-CH B SLIT CLOSE (BUFFER)	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
70	N030326	N030326	N030326	3860-01331	EV17-CH A SLIT CLOSE (XFER)	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
71	N030327	N030327	N030327	3860-01331	EV19-CH B SLIT CLOSE (XFER)	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
72	N030328	N030328	N030328	3860-01331	EV21-CH 1 SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
73	N030329	N030329	N030329	3860-01331	EV23-CH 2 SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
74	N030330	N030330	N030330	3860-01331	EV25-CH 3 SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
75	N030331	N030331	N030331	3860-01331	EV27-CH 4 SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
76	N030332	N030332	N030332	3860-01331	EV29-CH 5 SLIT CLOSE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
77	N030333	N030333	N030333	3860-01331	EV31-SPARE	TBG PLSTC 1/4OD X 1/8ID 95 DURO POLY WHITE	1A-169-11
78	N030334	N030334	N030334	3860-01330	EV0-LLA SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
79	N030335	N030335	N030335	3860-01330	EV2-LLB SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
80	N030336	N030336	N030336	3860-01330	EV4-CH F SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29

Item	NAI PN	Eastern Industrial	IEWC PN (second source)	CPN	Print Contents	Description	FREELIN WADE PN
81	N030337	N030337	N030337	3860-01330	EV6-CH E SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
82	N030338	N030338	N030338	3860-01330	EV8-CH C SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
83	N030339	N030339	N030339	3860-01330	EV10-CH D SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
84	N030340	N030340	N030340	3860-01330	EV12-CH A SLIT OPEN (BUFFER)	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
85	N030341	N030341	N030341	3860-01330	EV14-CH B SLIT OPEN (BUFFER)	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
86	N030342	N030342	N030342	3860-01330	EV16-CH A SLIT OPEN (XFER)	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
87	N030343	N030343	N030343	3860-01330	EV18-CH B SLIT OPEN (XFER)	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
88	N030344	N030344	N030344	3860-01330	EV20-CH 1 SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
89	N030345	N030345	N030345	3860-01330	EV22-CH 2 SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
90	N030346	N030346	N030346	3860-01330	EV24-CH 3 SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
91	N030347	N030347	N030347	3860-01330	EV26-CH 4 SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
92	N030348	N030348	N030348	3860-01330	EV28-CH 5 SLIT OPEN	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
93	N030349	N030349	N030349	3860-01330	EV30-SPARE	TBGPLSTC 1/4OD X 1/8ID DURO 95 TRANS ORANG	1A-169-29
94	N030502	N030502	N030502	3860-01160	ION GAGE SHUT OFF EV-26	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE BLU	1C-157-27
95	N030503	N030503	N030503	3860-01160	RGA ISO VALVE EV-24	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE BLU	1C-157-27
96	N030504	N030504	N030504	3860-01160	CHAMBER VENT EV-22	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE BLU	1C-157-27
97	N030505	N030505	N030505	3860-01160	FINAL 1 EV-10	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE BLU	1C-157-27
98	N030506	N030506	N030506	3860-01160	FINAL 2 EV-11	TBG PLSTC 1/8OD 1/16ID 95 DURO URETHANE BLU	1C-157-27

Notes:

1. All tubing shall be printed with bold fonts at 6.00 inch intervals along the length
2. Please use our NAI PN as MFG PN
3. Add IEWC as second source