



# NATIONWIDE PLASTICS, INC.

The Authority on Plastics Manufacturing and Distribution

E X C E L O N

## RNT FDA Braid

Clear Braid Reinforced PVC Hose



### Physical Properties\*\*

	RNT FDA BRAID	INDUSTRIAL BRAID
Hardness, Shore A $\pm 5$	80	80
Tensile Strength, psi	2500	2600
Elongation at Break, %	320	390
Brittle Temperature, °F	-50	-22
Max. Operating Temp., °F	175	185

\*\* Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

- Made from non-toxic ingredients conforming to FDA standards
- Made of first quality industrial grade PVC
- Crystal clear for visual contact
- Super smooth interior permits outstanding flow characteristics
- FDA BRAID is reinforced with polyester yarn bonded within the walls for increased pressure capability
- Provides higher pressure capabilities than unreinforced PVC tubing
- Corrosion and abrasion resistant with flexibility similar to rubber but with much longer life

### RNT FDA BRAID – Reinforced Non-Toxic Braid

ID (IN.)	OD (IN.)	WALL	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	LBS. PER 100 FT.	PART NO.
1/8	.315	.095	100, 500	465	1395	3.53	4471
3/16	.394	.103	50, 100, 500	315	945	5.06	4472
1/4	29/64	.102	50, 100, 500	300	900	6.03	4473
5/16	17/32	.109	50, 100, 500	280	840	7.77	4475
3/8	.600	.113	50, 100, 500	230	690	9.26	4476
1/2	.728	.114	50, 100, 200, 500	215	645	11.82	4478
5/8	29/32	.141	50, 100, 200, 300, 500	200	600	18.17	4480
3/4	1.024	.137	50, 100, 300, 500	150	450	20.53	4481
1	1.299	.150	50, 100, 300	130	390	29.03	4483
1-1/4	1.732	.241	50, 100	110	330	60.70	4485
1-1/2	1.939	.215	50, 100	70	210	62.12	4486
2	2-1/2	.250	50, 100	50	150	95.02	4487
1/4	.435	.093	100	316	948	5.35	4491
3/8	.575	.100	100	215	645	8.02	4492
1/2	.710	.105	100	191	573	10.73	4493

Product samples are available upon request.

### RNT FDA BRAID HP – Reinforced High Pressure Braid

ID (IN.)	OD (IN.)	WALL	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F	LBS. PER 100 FT.	PART NO.
1/4	1/2	.125	50, 100, 500	400	1200	6.03	4474
3/8	5/8	.125	50, 100, 500	265	795	9.26	4477
1/2	.850	.175	50, 100, 500	258	774	20.00	4479
3/4	1-1/8	.188	50, 100, 200, 300	233	699	20.53	4482
1	1-3/8	.175	50, 100	185	555	29.03	4484
1-1/4	1.732	.241	50, 100	150	450	60.70	4488
1-1/2	1.950	.225	50, 100	90	270	62.12	4489
2	2-1/2	.25	50, 100	133	399	95.02	4490

Product samples are available upon request.

RNT FDA BRAID is made from non-toxic ingredients sanctioned by the Food and Drug Administration (FDA). It is non-contaminating in odor or taste.

RNT FDA BRAID is generally unaffected by most oxidizing and reducing agents. Diluted acids and alkalis have little effect, though if highly concentrated tend to make the hose less pliable. If chemical resistance is of major concern, in-plant tests are suggested.

Although RNT FDA BRAID may be used for fuel and oil applications, gasoline and petroleum-based oils will eventually harden the material.



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