

NT-80™

FLEXIBLE REINFORCED PVC TUBING

TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES

Property	ASTM Method	Value or Rating
Durometer Hardness (Shore A), 15s	D2240-02	78
Tensile Strength, psi (MPa)	D412-98	2,600 (17.9)
Ultimate Elongation, %	D412-98	350
Brittle Temperature, °F (°C)	D746-98	-30 (-34)
Specific Gravity	D792-98	1.20
Water Absorption, %	D570-98	0.12
Maximum Recommended Operating Temperature, °F (°C)	-	165 (74)
Color	-	Clear

Unless otherwise noted, all tests were conducted at room temperature (73°F). Values shown were determined on 0.075" thick extruded strip or 0.075" thick molded ASTM plaques or molded ASTM durometer buttons.

RELATIVE CHEMICAL RESISTANCE PROPERTIES*

Acids			Bases			Salts	Alcohols	Ketones
conc.	med.	weak	conc.	med.	weak			
F	E	E	E	E	E	E	F	U

E = Excellent F = Fair U = Unsatisfactory

*All tests conducted at room temperatures.

INVENTORIED SIZES

Saint-Gobain Part Number	I.D. (inches)	O.D. (inches)	Wall (inches)	Length (feet)	Max. Suggested Working Pressure		Vacuum Rating, Inches of Mercury	
					@73°F (psi)*	@160°F (psi)*	@73°F	@160°F
ADT02213	3/16	0.375	0.093	100	250	118	29.9	29.9
ADT02019	1/4	0.500	0.125	100	250	100	29.9	29.9
ADT02256	5/16	0.562	0.125	100	250	98	29.9	29.9
ADT02270	3/8	0.625	0.125	100	225	110	29.9	29.9
ADT02282	1/2	0.750	0.125	100	200	110	29.9	20.0
ADT02289	5/8	0.875	0.125	100	200	113	29.9	20.0
ADT02295	3/4	1.030	0.140	100	150	103	29.9	15.0
ADT02301	1	1.312	0.156	100	125	70	25.0	10.0
ADT00307	1-1/4	1.687	0.219	50	100	75	20.0	10.0
ADT00311	1-1/2	1.937	0.219	50	100	60	20.0	5.0
ADT00078	2	2.500	0.250	50	75	43	15.0	1.0

*Working pressures are calculated at a 1:4 ratio relative to burst pressure using ASTM D1599.



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The values listed for working pressures are derived from tests conducted under controlled laboratory conditions. Many factors will reduce the tubing's ability to withstand pressures including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that the user conduct tests simulating the conditions of the application prior to specifying the tubing for use.



IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics tubing for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of tubing in any particular application.

For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving defective or at our option to refund the purchase price thereof. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse, or inability to use this product. THIS WARRANTY IS IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. No deviation is authorized.

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