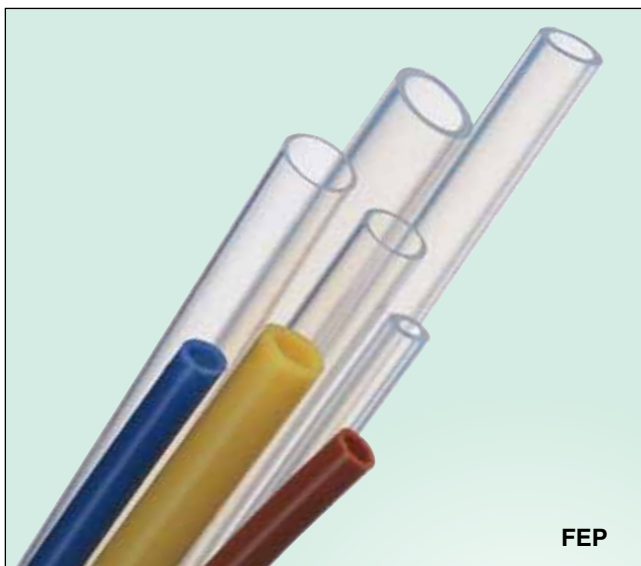


TUBE SELECTION GUIDE

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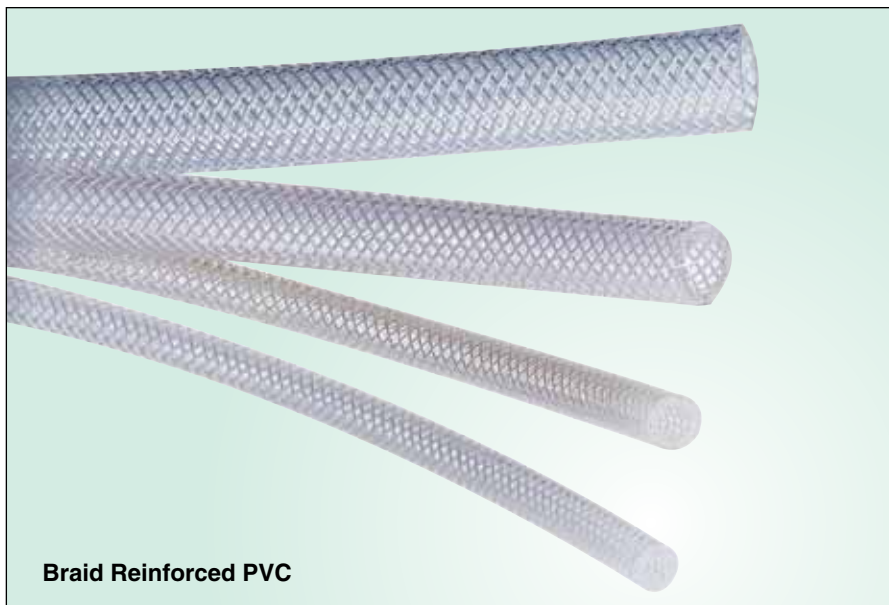
The chemical resistance information shown in this selection guide is meant to serve as a guideline only. To determine the suitability of a particular tubing type, we would recommend testing under actual conditions.



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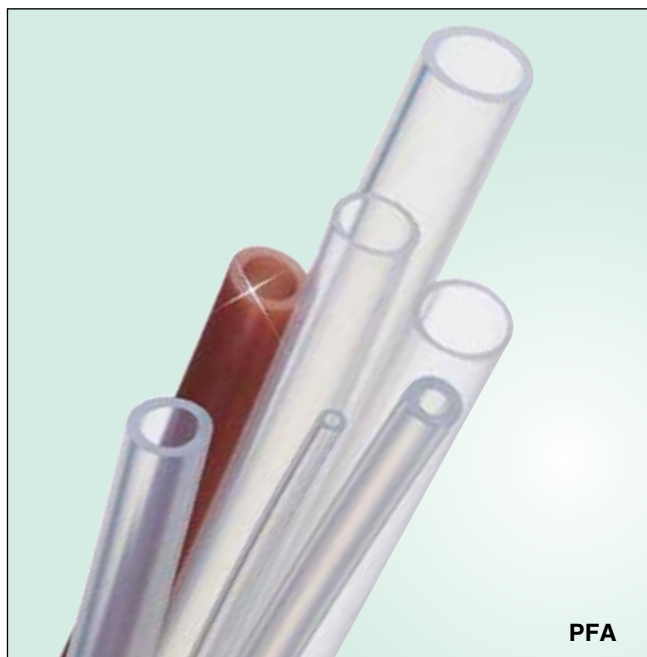
Series	TYTF	TYTP	TYTT	TYVT	TYNY	TYVY	TYRP
Tubing	FEP	PFA	PTFE	FKM	Nylon 11	Vinyl	PVC Reinforced
Specific Gravity	2.15	2.15	2.13 to 2.2	1.8 to 1.86	1.03	1.20	—
Brittle Temperature °C (°F)	<-170 (-275)	-170 (-275)	-170 (-275)	-40 (-40)	—	-40 (-40)	—
Tensile Strength, psi	3400	—	3200	1450 to 1600	3335	2000	2000
Operating Temperature Range °C (°F)	-73 to 204 (-100 to 400)	-196 to 260 (-320 to 500)	-79 to 260 (-110 to 500)	-40 to 204 (-40 to 400)	-51 to 93 (-60 to 200)	-40 to 80 (-40 to 175) maximum	-21 to 82 (-5 to 180)
Hardness Shore A/B/D†	56D	60D	50-55D	60-90A	64D	68A	65A
Elongation at Break	325%	300%	250 to 450%	120 to 350%	570%	400%	350%

† Rockwell Hardness Scale



Braid Reinforced PVC

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PFA



PVC Thick Wall

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Series	TYUTH95	TYPP	TYGR	TYUTH/TYUS	TYPE	TYSP	TYSC
Tubing	Polyurethane, Ether-based	Polypropylene	Latex	Polyurethane	Polyethylene Low Density	Santoprene Santopren	Silicon- Peroxide Cured
Specific Gravity	—	0.9	0.95	1.12 - 1.20	0.921	0.97	1.14
Brittle Temperature °C (°F)	—	-40 (-40)	-57 (-70)	-57 (-70)	-60 (-76)	-60 (-76)	-73 (100)
Tensile Strength, psi	—	3700	3500	4500 to 6000	1600	640 to 1100	1100
Operating Temperature Range	-40 to 73 (-40 to 165)	-40 to 121 (-40 to 250)	-54 to 82 (-65 to 180) max	-18 to 79 (0 to 175)	-60 to 60 (-76 to 140)	-59 to 135 (-74 to 275)	-73 to 177 (-100 to 350)
Hardness Shore A/B/D†	95A	75D	35A	75-98A	50D	55A,64A or 73A	50A
Elongation at	—	200%	750%	500 to 550%	500%	330 to 410%	375%

† Rockwell Hardness Scale

