

TUBING SELECTION GUIDE

Digital Printing Tubing



Chemical Compatibility (for reference only)*

Formulation	Materials	Pump Tubing/ Transfer Tubing	Ink Types			Acids			Bases			Salts	Cyclohexane	Dipropylene glycol mono methyl ether [^]	Xylene	Pump Life for water media (hrs, 0 psi)**	Pump Life for water media (hrs, 10 psi)**	Durometer, Shore A (ASTM D2240)	Color	Translucency	Relative Working Pressure Rating	Working Temperature Range, °F (°C)	Food Contact Compatibility		
			Water based ink	UV based ink	Solvent based ink	conc	med	weak	conc	med	weak												FDA Compliant	NSF 51	EU 10/2011
Tygon® A-60-G	Thermoplastic elastomer	Pump tubing	x	x		U	F	F	F	E	E	E	U	F	U	1000+	1000	61	black	opaque	Low	-75-275 (-60-135)	N	N	N
Tygon® E-65-F	Thermoplastic elastomer	Pump tubing			x	G	E	E	E	E	E	E	U	U	U	1400	not yet tested	65	white	opaque	Low	-112-275 (-80-135)	FDA 21 CFR	Y	Y
Tygon® XL-60	Thermoplastic elastomer	Pump tubing	x			G	G	E	G	G	E	E	U	U	U	500+	500	60	clear	translucent	Low	-87-250 (-66-121)	FDA 21 CFR	Y	Y
Tygon® Chemical	Co-extruded thermoplastic elastomer	Pump tubing	x		x	F	E	E	E	E	E	E	U	U	U	800	500	61	cream	opaque	Medium	-75-275 (-60-135)	FDA 21 CFR	Y	N
Versilon™ 2001	Polyolefin	Pump Tubing	x		x	F	E	E	F	E	E	E	U	U	U	100	70	69	clear	translucent	Medium	-108-135 (-78-57)	N	N	N
Versilon™ F-5500-A	Fluoroelastomer	Pump tubing		x	x	E	E	E	U	F	F	E	E	U	F	150	90	60	black	opaque	Low	-60-400 (-51-204)	N	N	N
Tygon® 2375	Polyolefin	Transfer tubing	x		x	F	E	E	E	E	E	E	U	U	U	N/A	N/A	75	clear	translucent	Medium	-103-130 (-75-54)	FDA 21 CFR	Y	Y
Tygon® 2375-D2 (Black)	Polyolefin	Transfer tubing	x	x	x	F	E	E	E	E	E	E	U	U	U	N/A	N/A	75	black	opaque	Medium	-103-130 (-75-54)	N	N	N
Tygon® 2375-D5 (Blue)	Polyolefin	Transfer tubing	x	x	x	F	E	E	E	E	E	E	U	U	U	N/A	N/A	75	blue	opaque	Medium	-103-130 (-75-54)	N	N	N
Versilon™ C-661-A-CE	polyolefin lined EVA	Transfer tubing	x	x	x	F	E	E	E	E	E	E	U	U	U	N/A	N/A	85	natural	translucent	Low	-100-165 (-73-74)	N	N	N
Versilon™ C-661-A-CE-D2 (Black)	polyolefin lined EVA	Transfer tubing	x	x	x	F	E	E	E	E	E	E	U	U	U	N/A	N/A	85	black	opaque	Low	-100-165 (-73-74)	N	N	N
Tygon® LP-1200	fluoropolymer lined polyurethane	Transfer tubing			x	F	E	E	E	E	E	E	E	E	E	N/A	N/A	78	natural	translucent	Medium	-130-180 (-90-82)	N	N	N
Versilon™ SE-200	Fluoropolymer lined PVC	Transfer tubing		x	x	E	E	E	E	E	E	E	E	E	E	N/A	N/A	66	clear	transparent	High	-32-165 (-36-74)	FDA 21 CFR	N	N
Versilon™ C-617-A-CE	Fluoropolymer lined PVC	Transfer Tubing			x	F	E	E	E	E	E	E	E	E	E	N/A	N/A	67	clear	translucent	Medium	-45-165 (-43-74)	N	N	N
Versilon™ FEP	Fluoropolymer	Transfer tubing		x	x	E	E	E	E	E	E	E	E	E	E	N/A	N/A	D60	natural	translucent	High	-418-402 (-250-206)	FDA 21 CFR	Y	N

* See Complete Chemical Resistance Guide for full compatibility ratings. Ratings represent inside surface contact only.

** 1/4" ID X 3/8" OD, 3-roller pump head, 600 rpm, 73°F

[^] Ethyl ether testing results used as basis for ratings

Chemical Ratings:
 E Excellent
 G Good
 F Fair
 U Unsatisfactory
 - Not Tested