

TUBING SELECTION GUIDE

Digital Printing



Chemical Compatibility (For Reference Only)

TOP PERFORMERS	Product	Materials	Pump Tubing/ Transfer Tubing	Ink Types			Chemical Compatibility (For Reference Only)										Durometer, Shore A (ASTM D2240)	Color	Maximum Temperature for Continuous Use, °F (°C)	Flexibility	Relative Working Pressure Rating				
				Aqueous Ink	UV Cure Ink	Solvent Based Ink	Diluents*					Solvents													
				IBOA	HDDA	VCAP	VEEA	ACMO	VMOX	Benzene	Toluene	Xylene	Cyclohexane	Alcohols	Ketones	Mineral Oil						Acetate			
	Tygon® Ink 1000	Polyolefin	Transfer Tubing	✓	✓		Fair	Excellent	Good	Excellent	Excellent	Excellent	Fair	Fair	Fair	Fair	Excellent	Good	Fair	Good	90	Black	131 (55)	Better	Best
	Tygon® 2375-D2	Polyolefin	Transfer Tubing	✓	✓	✓	Poor	Good	Fair	Fair	Good	Fair	Poor	Poor	Poor	Poor	Excellent	Fair	Poor	Fair	75	Black	130 (54)	Best	Better
	Tygon® 2375	Polyolefin	Transfer Tubing	✓		✓	Poor	Good	Fair	Fair	Good	Fair	Poor	Poor	Poor	Poor	Excellent	Fair	Poor	Fair	75	Clear	130 (54)	Best	Better
	Tygon® 2375-D5	Polyolefin	Transfer Tubing	✓	✓	✓	Poor	Good	Fair	Fair	Good	Fair	Poor	Poor	Poor	Poor	Excellent	Fair	Poor	Fair	75	Blue	130 (54)	Best	Better
	Tygon® LP-1200	Fluoropolymer Lined Polyurethane	Transfer Tubing	✓		✓	Excellent	Fair	Poor	Poor	Poor	Poor	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent	78	Natural	180 (82)	Best	Better
	Versilon™ FEP	Fluoropolymer	Transfer Tubing	✓	✓	✓	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	D60	Natural	402 (206)	Better	Best
	Versilon™ PFA	Fluoropolymer	Transfer Tubing	✓	✓	✓	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	D60	Natural	402 (206)	Better	Best
	Tygon® A-60-G	Thermoplastic Elastomer	Pump Tubing	✓			Poor	Good	Fair	Fair	Good	Fair	Poor	Poor	Fair	Fair	Excellent	Poor	Poor	Excellent	61	Black	275 (135)	Better	Good
	Tygon® XL-60	Thermoplastic Elastomer	Pump Tubing	✓		✓	Poor	Good	Fair	Fair	Good	Fair	Poor	Poor	Fair	Fair	Fair	Poor	Fair	Excellent	60	Clear	250 (121)	Good	Good
	Versilon™ 2001	Polyolefin	Pump Tubing	✓		✓	Poor	Fair	Fair	Good	Good	Fair	Poor	Poor	Fair	Fair	Excellent	Fair	Poor	Good	69	Clear	135 (57)	Better	Good
	Versilon™ TR-1000	EPDM	Pump Tubing	✓			Poor	Excellent	Excellent	Excellent	Good	Excellent	Fair	Fair	Fair	Fair	Excellent	Excellent	Excellent	Good	54	Black	275 (135)	Good	Better



* Based on the results of a 28-day soak at 40°C.

Chemical Ratings: Excellent (≤+/-2% wt.%)
 Applies to diluents only. Good = (≤+/-5% wt.% + ≥+/-2%)
 Fair (≤+/-20% wt.%)
 Poor (≥+/-20%)

