

# TUBING SELECTION GUIDE

## Food and Beverage



Product	Materials	Features	Pump Tubing/ Transfer Tubing	Food Contact*									Regulatory Information						Bend Radius	Pump Life	Durometer, Shore A (ASTM D2240)	Opacity	Relative Working Pressure Rating	Working Temperature Range, °F (°C)
				Hot Beverages	Carbonated Drinks	Acidic Foods	Oil-Based or Fatty Foods	Beer <7% Ethanol	Alcohol Beverages >7% Ethanol	Dairy-Based Foods	Frozen Foods and Beverages	Hydration	US FDA 21CFR 170-189	EU Regulation No 10/2011	China GB 4806.6 & GB 9685	Japan PL No. 370 of 1959	NSF-51	NSF-61						
<b>Tygon® A-60-F</b>	Thermoplastic Elastomer	Long-Life, Temperature-Resistant Tubing	Pump Tubing	G	G	E	U	G	U	E	E	G	Yes	No	No	No	Yes	No	Better	Best	61	Opaque	Low	-75 to 275 (-60 to 135)
<b>Tygon® E-65-F</b>	Thermoplastic Elastomer	Taste and Odor Free, Long Life Tubing	Pump Tubing	G	G	E	U	G	E	E	E	E	Yes	No	No	No	Yes	No	Best	Best	65	Opaque	Low	-112 to 275 (-80 to 135)
<b>Versilon® SPT-50</b>	Platinum-Cured	Peristaltic Pump, Silicone Tubing	Pump Tubing	G	G	E	G	U	U	G	G	G	No	In Progress	No	No	Yes	No	Better	Better	50	Translucent	Low	-112 to 400 (-80 to 204)
<b>Versilon® SPT-50 TF</b>	Platinum-Cured	Peristaltic Pump, Silicone Tubing	Pump Tubing	E	G	G	G	U	U	G	G	G	No	In Progress	No	No	Yes	No	Better	Better	50	Translucent	Low	-112 to 400 (-80 to 204)
<b>Versilon® SPX-60 FB</b>	Peroxide-Cured	Silicone Tubing for Food and Beverage Applications	Pump Tubing	E	G	G	E	U	U	E	G	G	No	Yes	No	No	Yes	No	Better	Good	60	Translucent	Low	-112 to 400 (-80 to 204)
<b>Tygon S3™ B-44-3</b>	Bio-Based Thermoplastic Elastomer	Flexible Tubing for Beverage Transfer	Transfer Tubing	U	E	G	U	G	U	G	U	E	Yes	No	No	Yes	Yes	Yes	Best	Better	66	Transparent	Medium	-49 to 165 (-45 to 74)
<b>Tygon S3™ B-44-4X</b>	Bio-Based Thermoplastic Elastomer	Food & Beverage Dispensing Tubing	Transfer Tubing	U	G	G	U	E	U	E	U	G	Yes	No	No	Yes	Yes	Yes	Best	Better	66	Transparent	Medium	-49 to 165 (-45 to 74)
<b>Versilon® 2810</b>	Fluoropolymer	Abrasion-Resistant, Flexible Tubing	Transfer Tubing	E	G	E	G	G	E	G	G	G	No	No	No	No	Yes	No	Good	N/A	D65	Opaque	High	250 Maximum (121 Maximum)
<b>Tygon S3™ B-44-5X IB</b>	Bio-Based Thermoplastic Elastomer	Reinforced Pressure Tubing for Cold Beverage Dispensing	Transfer Tubing	U	E	G	U	G	U	E	E	G	Yes	No	No	No	Yes	Yes	Good	N/A	66	Transparent-Braided	High	-32 to 165 (-36 to 74)
<b>Tygon® A-60-F IB</b>	Thermoplastic Elastomer	Flexible, Temperature & Pressure-Resistant Tubing	Transfer Tubing	G	G	G	U	G	U	E	E	G	Yes	No	No	No	Yes	No	Good	N/A	61	Opaque	High	-75 to 275 (-60 to 135)
<b>Tygon® HA-1000</b>	Polyolefin	Chemical Resistant Food and Beverage Dispensing Tubing	Transfer Tubing	U	G	E	U	G	E	G	U	G	Yes	No	No	No	Yes	No	Best	N/A	75	Translucent	Medium	-103 to 130 (-75 to 54)
<b>Versilon® PFA-F</b>	Fluoropolymer	High Purity, Flexible Tubing	Transfer Tubing	E	G	G	G	G	E	G	G	G	Yes	Yes	No	No	No	No	Better	N/A	D60	Translucent	High	-320 to 500 (-196 to 260)
<b>Versilon® SPT-70 FB IB</b>	Platinum-Cured	Reinforced, Flexible Silicone Tubing	Transfer Tubing	G	G	G	E	U	U	E	G	G	Yes	Yes	Yes	No	Yes	No	Good	N/A	70	Translucent-Braided	High	-112 to 400 (-80 to 204)
<b>Versilon® C-210-A</b>	Thermoplastic Elastomer	Clear, Multipurpose Oil Transfer Tubing	Transfer Tubing	U	G	U	E	U	U	G	G	U	Yes	No	No	No	No	No	Best	N/A	82	Transparent	Medium	-100 to 175 (-74 to 79)
<b>Versilon® Silver</b>	Bio-Based Thermoplastic Elastomer	Phthalate-Free, Fluid Transfer Tubing	Transfer Tubing	U	G	G	U	G	G	G	U	E	No	No	No	No	Yes	No	Better	N/A	69	Opaque	Medium	-31 to 165 (-35 to 74)
<b>Versilon® FEP-F</b>	Fluoropolymer	Clear, High-Temperature Flexible Tubing	Transfer Tubing	E	G	G	G	G	G	G	G	G	Yes	Yes	No	No	No	No	Better	N/A	D55	Transparent	High	-100 to 400 (-73 to 204)
<b>Tygon® E-70-V-CE</b>	Bio-Based Thermoplastic Elastomer	Flexible, Taste Barrier Tubing	Transfer Tubing	U	G	G	U	G	E	G	U	E	No	No	No	No	Yes	No	Better	N/A	72	Translucent	Medium	-47 to 160 (-44 to 71)
<b>Versilon® C-544-A</b>	Thermoplastic Elastomer	Multi-Purpose, Abrasion Resistant Tubing	Transfer Tubing	U	G	U	E	U	U	G	G	G	Yes	No	No	No	No	No	Best	N/A	85	Transparent	Medium	-100 to 180 (-74 to 82)

\*Food Contact Ratings: E Excellent  
G Good  
U Unsatisfactory

