

## Cross Reference

W3F2

Sumitomo



# UPTW-A FLEX

UNION POLYMER FLEXIBLE THIN WALL POLYOLEFIN - ADHESIVE LINED



Heat shrink ratio 3:1

Cross-linked flexible polyolefin outer layer

Lower shrink temperature & faster shrinkage

## FEATURES AND APPLICATIONS

- Cross-linked flexible, flame-retardant polyolefin outer layer
- Adhesive liner provides environmental protection and complete sealing
- Lower shrink temperature required, shrink faster than semi-rigid dual wall tubing
- Standard color: Black; Other colors are available on request
- Operating temperature: -55°C to 125°C; Shrink temperature: 110°C

## DIMENSIONS

Product Order Number	Internal Diameter As Supplied		Internal Diameter Recovered		Wall Thickness (Nominal) Recovered	
	inch	mm	inch	mm	inch	mm
UPTW-A FLEX-1/8	1/8	3.2	0.040	1.0	0.04	1.0
UPTW-A FLEX-3/16	3/16	4.8	0.060	1.6	0.04	1.1
UPTW-A FLEX-1/4	1/4	6.4	0.080	2.0	0.05	1.2
UPTW-A FLEX-3/8	3/8	9.5	0.125	3.2	0.05	1.3
UPTW-A FLEX-1/2	1/2	12.7	0.160	4.1	0.06	1.4
UPTW-A FLEX-3/4	3/4	19.1	0.250	6.4	0.06	1.6
UPTW-A FLEX-1	1	25.4	0.320	8.1	0.07	1.9

Standard package: 4 FT per piece. Customized packages are available on request.

## ORDERING

Please specify: (1) Product Order Number, (2) Color, (3) Quantity, and  
(4) Printing options (Standard Union Polymer mark, Customized mark, or Unprinted)

**Order Example:** UPTW-A FLEX-3/4, Black, 5,000 FT, Unprinted

## TECHNICAL DATA

	Property	Test Method	Values
<b>Physical</b>	Tensile strength	UL 224	≥ 10.4 MPa
	Breakdown elongation	UL 224	≥ 200%
Aging (158°C/168 hrs)	Tensile strength	UL 224	≥ 7.3 Mpa
	Breakdown elongation	UL 224	≥ 100%
	Water absorption	ASTM D570	≤ 0.5%
	Low temperature flexibility (-40°C/4hrs)	ASTM D2671	No cracking
	Heat shock (200°C/4 hrs)	ASTM D2671	No drop, no flow (outer layer only)
<b>Electrical</b>	Volume resistivity	ASTM D2671	≥ 10 <sup>14</sup> Ω.cm
	Dielectric strength (2500V AC/60s)	UL 224	pass
<b>Chemical</b>	Flammability (outer layer only)	UL 224	VW-1
	Copper corrosion (158°C/168hrs)	UL 224	Pass

-----

*Once a purchase order is received*

*Order confirmation will be sent from Union Polymer within 12 hours*

*All in-stock products will be shipped from our Ohio warehouse within 48 hours*