



SHRINKABLE TUBING

MULTI-PURPOSE/POLYOLEFIN

FP-105 Flexible - Multi Purpose



FP-105 is an irradiated polyvinylchloride material with high mechanical strength and excellent flexibility characteristics. Unlike non-irradiated expanded PVC tubing, FP-105 will not cold flow or melt, and longitudinal shrinkage is less than 10%.

PRODUCT FEATURES:

Available in long lengths. Flexible. Flame retardant. Shrinks evenly - will not split even over sharp edges. Solder iron resistant.

UL MARKING

UL requires that FP-105 be surface marked for UL identification. Olympic supplies this material from stock unmarked, if UL marking is required, please indicate on your order.

OLYMPIC NO. & SIZE	MINIMUM SUPPLIED I.D.	MAXIMUM RECOVERED I.D.	NOMINAL RECOVERED WALL THICK.	SPOOLS STANDARD PUT-UP
FP-105-3/64	.046"	.023"	.020"	100', 500'
FP-105-1/16	.062"	.031"	.020"	100', 500'
FP-105-3/32	.093"	.046"	.020"	100', 200'
FP-105-1/8	.125"	.062"	.025"	100', 200'
FP-105-3/16	.187"	.093"	.025"	100', 200'
FP-105-1/4	.250"	.125"	.025"	100', 200'
FP-105-3/8	.375"	.187"	.030"	100', 200'
FP-105-1/2	.500"	.250"	.030"	100'
FP-105-3/4	.750"	.375"	.035"	100'
FP-105-1	1.000"	.500"	.040"	100'
FP-105-1-1/2	1.500"	.750"	.045"	100'
FP-105-2	2.000"	1.000"	.050"	25', 50'

STOCK COLOR: Black

POLYOLEFIN FP-221



FP-221 is the most widely used, general purpose heat-shrinkable tubing. FP-221 is an irradiated flexible, flame retarded polyolefin tubing with a wide scope of applications. These include: harnessing, wire bundling, strain reliefs, or any application where components or cables must be insulated or packaged.

PRODUCT FEATURES:

Wide range of colors
Wide range of sizes
Flexible
Flame retarded (except clear)
UL and CSA accepted

OPERATING TEMPERATURE:

-55°C to +135°C

SHRINKAGE RATIO:

To 50% of supplied diameter at 121°C

APPLICABLE SPECIFICATIONS:

MIL-1 23053/5A

MSFC-276B: Colors Type 1, Class 1
Clear Type 1, Class 2

LN 29807

AMS-3636B Colors

AMS-3637B Clear

PHYSICAL PROPERTIES:

Tensile Strength: 2500 PSI, nominal (176 kg/cm²)
Ultimate Elongation: 400% nominal
Longitudinal Shrinkage: 5% nominal
Specific Gravity: 1.3

OLYMPIC NO. & SIZE	MINIMUM SUPPLIED I.D.	MAXIMUM RECOVERED I.D.	NOMINAL RECOVERED WALL THICK.	• STANDARD PKG. • 4' LGTHS. TOT. FTG.	SPOOLS TOT. FTG.
FP-221-3/64	.046"	.023"	.016"	100	1000
FP-221-1/16	.062"	.031"	.017"	100	1000
FP-221-3/32	.093"	.046"	.020"	100	500
FP-221-1/8	.125"	.062"	.020"	100	500
FP-221-3/16	.187"	.093"	.020"	100	500
FP-221-1/4	.250"	.125"	.025"	100	250
FP-221-3/8	.375"	.187"	.025"	100	200
FP-221-1/2	.500"	.250"	.025"	20	150
FP-221-3/4	.750"	.375"	.030"	20	250
FP-221-1	1.000"	.500"	.035"	20	250
FP-221-1-1/2	1.500"	.750"	.040"	20	125
FP-221-2	2.000"	1.000"	.045"	20	125
FP-221-3	3.000"	1.500"	.050"	8	100
FP-221-4	4.000"	2.000"	.055"	8	50

CHEMICAL PROPERTIES:

Corrosive Effect: passes copper corrosion test
Flammability: Self-extinguishing, non-dripping
Fungus Resistance: Does not support growth (ASTM G21)
Water absorption: 0.5% Max.

ELECTRICAL PROPERTIES:

Dielectric Strength: 1300 V/mil (512 kV/cm)
Volume Resistivity: 10¹⁵ ohm-cm

LONG LENGTH SPOOLS:

FP-221 is available in long length spools for use in automatic cutting and marking equipment or where lengths of longer than 4' are required. Use of spooled FP-221 minimizes scrap, labor costs and allows a single inventory to fill many different types of applications

STOCK COLOR:

Black & Clear

UL CSA TAGGED

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If marking is required, please indicate on your order.