

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1534	E	Removed FPA-064-6010-AST	JWM	5/14/03	JC	5/20/03	JC	5/20/03
1857	F	RoHS Added	DCM	12/12/05	JWM	3/17/06	JWM	3/17/06


RoHS
Compliant

DESCRIPTION:

SINGLE WALL FLEXIBLE HEAT SHRINK RADIATION CROSS-LINKED POLYOLEFIN TUBING. UPON THE APPLICATION OF HEAT IN EXCESS OF 250°F (121°C), TUBING SHRINKS AND CONFORMS TO THE GEOMETRY TO BE COVERED. CLEAR IS NOT UL RECOGNIZED OR CSA APPROVED.

SHRINKAGE: 2:1

Inside Diameters Conform to: MIL-I-23053/5

LENGTH: 6" ±1/8

SPC Type No. FPA-003-6030-AST (30 pcs)		
Size	QTY	Color
3/64"	6	Red
1/16"	6	Yellow
3/32"	6	Blue
1/8"	6	White
3/16"	6	Clear

SPC Type No. FPA-016-6016-AST (16 pcs)		
Size	QTY	Color
1/4"	4	Red
3/8"	4	Yellow
1/2"	4	Blue
3/4"	4	White

TYPICAL PROPERTIES:

Physical:

Tensile Strength: 2400 PSI

Ultimate Elongation: 400%

Longitudinal Change: ±5%

Secant Modulus (2%): 1.7 x 10⁴ PSI

Specific Gravity: 1.3 g/cm² (Black)

.93 g/cm² (Clear)

Heat Aging Elongation
(336 Hrs @ 175°C) 175%

Heat Shock

(4 Hrs @ 250°C) No Dripping, Cracking

Low Temperature Flexibility:

(4 Hrs @ -55°C) No Cracking

Flammability:

Colored Tubing: Self-Extinguish, Meets

UL224, All tubing flame test (Class 1 only)

Clear Tubing: CClass 2 - (Non-Flame Retardant)

Electrical

Dielectric Strength: 900 V/Mil

Volume Resistivity: 10¹⁵ Ohm-cm

Chemical

Corrosive Effect: Non-Corrosive

Solvent Resistance

Tensile Strength: 1000 PSI

Dielectric Strength: 400 V/Mil

Water Absorption: 0.2%

Fungus Resistance: Non-Nutrient

UL Recognized: E52331

CSA Approved: LR382278M

Mil. Spec: #MIL-I-23053/5 Class 1, 2

AMS-3636, AMS-3637

Supplier must provide certificate of conformance from each shipment for every sku. Product will have proper label placement and easily visible.

Technical information provided consists of typical product data and should not be used for specification purposes. Unless otherwise noted, all tests are performed at room temperature.

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	JAP	1/17/92	Heat Shrink Tubing Specifications			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	JC	7/13/92	A	TA-282	TA-282.DWG	F
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 1