



REVISIONS					DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398					
DCP #	REV	DESCRIPTION			DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
294	C	Updated "Modified" added; Mil Spec added			J.W.M.	10/3/97	J.C.			
1199	D	Renamed - was KYS-0**-****-CLR			JWM	8/30/01	JC	11/6/01	JC	11/6/01

## DESCRIPTION:

TYPE KYS IS AN IRRADIATED, THIN-WALL, HEAT SHRINKABLE TUBING FABRICATED FROM MODIFIED POLYVINYLDENE FLUORIDE. UPON THE APPLICATION OF HEAT IN EXCESS OF 175°C, THE TUBING SHRINKS TO THE GEOMETRY OF THE PART TO BE COVERED.

SHRINKAGE: 2:1 COLOR: CLEAR

Dimensions				Standard Packages					
Size	Expanded I.D. (Min.)	Recovered I.D. (Max.)	Recovered Nominal Wall Thickness	4 Foot Lengths (+1", -0")			6 Inch Lengths (±.125")		
				SPC Type No.	Qty	Total Footage	SPC Type No.	Qty	Total Footage
3/64"	.046"	.023"	.010"	KYS-003-4025-CLR	25	100 FT	N/A	---	---
1/16"	.063"	.031"	.010"	KYS-004-4025-CLR	25	100 FT	KYS-004-6028-CLR	28	14 FT
3/32"	.093"	.046"	.010"	KYS-006-4025-CLR	25	100 FT	KYS-006-6024-CLR	24	12 FT
1/8"	.125"	.062"	.010"	KYS-008-4025-CLR	25	100 FT	KYS-008-6020-CLR	20	10 FT
3/16"	.187"	.093"	.010"	KYS-012-4025-CLR	25	100 FT	KYS-012-6016-CLR	16	8 FT
1/4"	.250"	.125"	.012"	KYS-016-4025-CLR	25	100 FT	KYS-016-6012-CLR	12	6 FT
3/8"	.375"	.187"	.012"	KYS-024-4025-CLR	25	100 FT	KYS-024-6008-CLR	8	4 FT
1/2"	.500"	.250"	.012"	KYS-032-4005-CLR	5	20 FT	KYS-032-6004-CLR	4	2 FT
3/4"	.750"	.375"	.017"	KYS-048-4005-CLR	5	20 FT	KYS-048-6002-CLR	2	1 FT

## Typical Properties

### Physical

Tensile Strength: 5500 PSI  
Ultimate Elongation: 350%  
Longitudinal Change: +1, -10%  
Specific Gravity: 1.7 g/cm<sup>2</sup> Max.  
Operating Temp: -55°C ~ +175°C  
Shrink Temp: 175°C (347°F)  
Low Temp. Flexibility (4 hrs @ -55°C): No Cracking  
Flammability: Self-Extinguishing-Meets UL 224, VW-1  
Flexibility\*: 10

### Electrical

Dielectric Strength: 900 V/Mil  
Volume Resistivity: 10<sup>14</sup> Ohms-cm

## Chemical

Corrosion Resistance: Non-Corrosive  
Fuel & Oil Resistance: Excellent  
Solvent Resistance: Excellent  
Abrasion Resistance: Excellent  
Acids & Alkalis Resistance: Excellent

## MIL. Spec. Nos.

MIL-I-23053/8, AMS-3632  
MIL-I-2305318, Class 1



\*Flexibility: The materials are rated on a scale of 1~10.  
1=most flexible and 10=most rigid

The 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.

KYNAR® is a registered trade name of the Penwalt Chemical Co.

SPC-F004.DWG



TOLERANCES:  UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	J.A.P.	2/20/92	General Purpose Kynar Heat Shrink Tubing			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	JOHN COLE	2/20/92	A	TA-401	TA-401.dwg	D
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES [mm]	SHEET: 1 OF 1
	John Cole	2/20/92				

ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY. DISCLAIMER: ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.