



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/cm² 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: 10¹⁴ 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				

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