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SPC-F005.DWG

REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1188	C	UPDATED TO TABULAR SPEC	HYO	8/10/01	JC	8/20/01	JC	8/20/01
1896	D	Update To RoHS Compliant	EO	3/27/06	HO	3/28/06	HO	3/28/06



SPECIFICATIONS:

TSI series is a Non-Toxic, chemically inert tubing which offers superior insulating and highly stable electrical properties. It features excellent electrical performance and resists wicking, moisture absorption and contamination. It also has excellent oil, acid, and solvent resistance

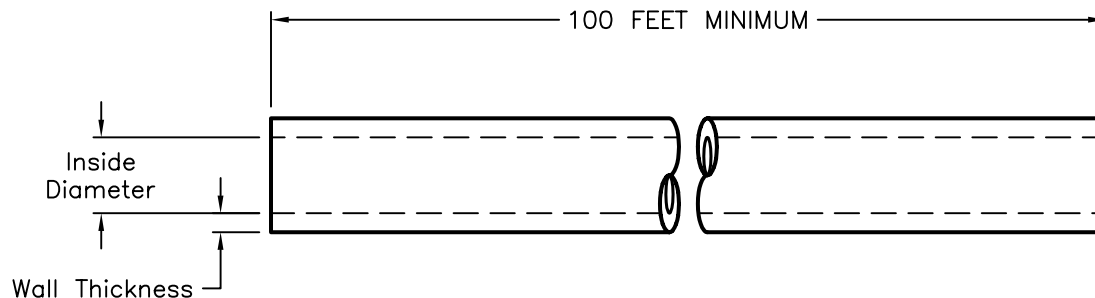
1. Material: Teflon (PTFE)
2. Color: Natural
3. Operating Temperature: -275°F (-171°C) to 500°F (260°C)
4. Dielectric Strength: >1,400 Volts/MIL Per ASTM D 149 Short Term Test of 10 Mil Thickness

5. Dielectric Constant: 2.1 @ 1 MHz
6. Tensile Strength: 3,000 ~ 4,000 PSI
7. Volume Resistivity: >10¹⁷ Ohm - Cm Min.

8. Elongation: 200 ~ 400%
9. Specific Gravity: 2.1 ~ 2.2 Gram/Cm³
10. Flammability:

Resin: UL 94 V-0
Tubing: UL 224 VW-1

11. MIL. Spec #: MIL-I-22129
12. AMS-3653
13. Flexibility: 2 (The material are rated on scale of 1 ~ 10, where 1 = most flexible and 10 = most rigid)



SPC Part No.	AWG SIZE	Inside Diameter			Wall Thickness	
		Nominal Inches(MM)	Max. Inches(MM)	Min. Inches(MM)	Nominal Inches(MM)	Tolerance Inches(MM)
TSI-S24-1100-NAT	24	0.023(0.58)	0.026(0.66)	0.020(0.51)	0.012(0.30)	0.002(0.05)
TSI-S22-1100-NAT	22	0.029(0.74)	0.032(0.81)	0.026(0.66)		
TSI-S20-1100-NAT	20	0.035(0.89)	0.038(0.97)	0.032(0.81)	0.016(0.41)	0.003(0.08)
TSI-S18-1100-NAT	18	0.043(1.09)	0.046(1.17)	0.040(1.02)		
TSI-S16-1100-NAT	16	0.055(1.40)	0.058(1.47)	0.051(1.30)		
TSI-S14-1100-NAT	14	0.068(1.73)	0.072(1.83)	0.064(1.63)		
TSI-S12-1100-NAT	12	0.086(2.18)	0.091(2.31)	0.081(2.06)		
TSI-S10-1100-NAT	10	0.107(2.72)	0.112(2.84)	0.102(2.59)		
TSI-S08-1100-NAT	8	0.134(3.40)	0.139(3.53)	0.129(3.28)	0.020(0.51)	0.004(0.10)
TSI-S07-1100-NAT	7	0.150(3.81)	0.155(3.94)	0.144(3.66)		
TSI-S06-1100-NAT	6	0.168(4.27)	0.174(4.42)	0.162(4.11)		
TSI-S05-1100-NAT	5	0.189(4.80)	0.195(4.95)	0.182(4.62)		
TSI-S04-1100-NAT	4	0.211(5.36)	0.218(5.54)	0.204(5.18)		

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.

TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
DANIEL CAREY	4/29/97
CHECKED BY:	DATE:
JOHN COLE	5/2/97
APPROVED BY:	DATE:
BRETT BRAATZ	5/15/97

DRAWING TITLE: STANDARD WALL PTFE INSULATING TUBING			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	TA-381	TA-381.DWG	D
SCALE: NTS		U.O.M.: INCHES	SHEET: 1 OF 1