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| REVISIONS | | | DOC. NO. SPC-F004 * Effective: 12/21/98 * DCP No: 680 | | | | | |
|-----------|-----|--------------------------------|---|---------|--------|----------|--------|----------|
| DCP # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE | APPRVD | DATE |
| 1199 | B | Renamed - was FPHS-***-***-BLK | JWM | 9/14/01 | JC | 10/16/01 | JC | 10/16/01 |
| 1383 | C | Type No. corrected | JWM | 5/30/02 | JC | 5/30/02 | JC | 5/30/02 |

The **FPHS** series heat shrink tubing offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. FPHS is made of very flexible, heat-shrinkable polyolefin which is mechanically tough and chemically resistant.

Shrink Ratio: 3:1 Shrink Temperature: 100°C(212°F) Color: Black

| 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 |
| | | | | 1/16" | .059" | .020" | .018" | FPHS-004-4025-BLK | 25 |
| 1/8" | .118" | .039" | .022" | FPHS-008-4025-BLK | 25 | 100 FT | FPHS-008-6024 | 24 | 12 FT |
| 1/4" | .236" | .079" | .026" | FPHS-016-4025-BLK | 25 | 100 FT | FPHS-016-6020 | 20 | 10 FT |
| 3/8" | .354" | .118" | .030" | FPHS-024-4025-BLK | 25 | 100 FT | FPHS-024-6016 | 16 | 8 FT |
| 1/2" | .472" | .157" | .030" | FPHS-032-4005-BLK | 5 | 20 FT | FPHS-032-6014 | 14 | 7 FT |
| 3/4" | .709" | .236" | .030" | FPHS-048-4005-BLK | 5 | 20 FT | FPHS-048-6012 | 12 | 6 FT |
| 1" | .945" | .315" | .039" | FPHS-064-4005-BLK | 5 | 20 FT | FPHS-064-6008 | 8 | 4 FT |
| 1-1/2" | 1.535" | .512" | .045" | FPHS-096-4005-BLK | 5 | 20 FT | FPHS-096-6005 | 5 | 2.5 FT |

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.

TYPICAL PROPERTIES

Physical

Tensile Strength 2600 PSI
 Ultimate Elongation 400 %
 Longitudinal Change ±5 %
 Secant Modulus (2%) 8700 PSI
 Specific Gravity 1.29
 Heat Aging (168 hrs @ 158°C) Elongation 350 %
 Heat Shock (4 hrs @ 250°C) No dripping, cracking, or flowing
 Low Temperature Flexibility (4 hrs @ -55°C) No Cracking
 Water Absorption 0.2 %
 Flammability Self extinguishing
 Operating Temp. -55°C~135°C (-67°F~275°F)

Electrical

Dielectric Strength 700 V/mil
 Volume Resistivity 10¹⁵ ohm-cm

Chemical

Corrosive Effect Non-corrosive
 Solvent Resistance
 Tensile Strength 1100 PSI
 Dielectric Strength 400 V/mil
 Fungus Resistance Inert
 Applicable Specifications: MIL-DTL-23053/5 Class 1



*Flexibility: 3

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

SPC-F004.DWG

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.



SPC TECHNOLOGY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

| | |
|--------------|---------|
| DRAWN BY: | DATE: |
| JAP | 1/21/96 |
| CHECKED BY: | DATE: |
| BB | 7/1/96 |
| APPROVED BY: | DATE: |
| BB | 7/1/96 |

| | | | |
|--|---------------|---------------------|---------------|
| DRAWING TITLE: FPHS Series - Polyolefin Heat Shrink Tubing | | | |
| SIZE | DWG. NO. | ELECTRONIC FILE | REV |
| A | TA-405 | TA-405.dwg | C |
| SCALE: NTS | | U.O.M.: INCHES [mm] | SHEET: 1 OF 1 |