

MIL-DTL-23053/4D,
CLASS 1
UL STANDARD 224
RoHS COMPLIANT

FIT® Preferred Heat Shrink Products

SURFACE IRRADIATED/DUAL EXTRUDED POLYOLEFIN

FIT®-300

CHOOSE FIT®-300 FOR:

- Meltable Inner Wall
- Encapsulates Without Adhesive
- Temporary Sealing Without Sticky Residue
- Increased Wall Thickness for Added Protection
- High Shrink Ratios
- Excellent Dielectric Properties



FIT®-300 APPLICATIONS:

- Substrates Requiring Filled Interstices
- Digital Electronics Where Adhesive is Unacceptable
- Temporary Applications Requiring Encapsulation

CHARACTERISTICS

OPERATING TEMPERATURE:

- -55°C to 110°C

SHRINKAGE RATIO:

- Approximately 6 to 1 or 3 to 1 at 135°C Depending on Size

COLOR DESCRIPTION:

- 1/8 Inch: Brown, Black
- 3/16 Inch: Slate, Black
- 1/4 Inch: White, Black
- 3/8 Inch: Red, Black
- 1/2 Inch: Blue, Black
- 3/4 Inch: Yellow, Black
- 3/10 Inch: Blue, Black

PHYSICAL PROPERTIES:

- Tensile Strength: 1500 psi, (106 kg/cm²)
- Ultimate Elongation: 200%
- Longitudinal Shrinkage: -10%
- Specific Gravity: 0.99

CHEMICAL PROPERTIES:

- Corrosive Effect: Non-Corrosive
- Fungus Resistance: No Growth
- Water Absorption: 0.1%

ELECTRICAL PROPERTIES:

- Dielectric Strength: 500V/mil (197 kV/cm)
- Volume Resistivity: 10¹⁵ ohm-cm

SPECIFICATIONS

- MIL-DTL-23053/4D, Class 1
- UL Standard 224 (black only)
- RoHS Compliant



Alpha Part No. and Size	Minimum Supplied I.D.		Maximum Rec. I.D.		Nom. Rec. Wall Thickness		Total Nom. Rec. Meltable Wall Thickness		4 Ft. Total Lgths. Fig.	Std. Pkg. No. Pieces Cut 6 Inch
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		
FIT-300-1/8	0.125	3,18	0.023	0,58	0.038	0,96	0.020	0,50	100	14
FIT-300-3/16	0.187	4,75	0.060	1,52	0.043	1,09	0.025	0,63	100	12
FIT-300-1/4	0.250	6,35	0.080	2,03	0.047	1,19	0.027	0,68	100	10
FIT-300-3/8	0.375	9,53	0.135	3,43	0.050	1,27	0.030	0,76	100	8
FIT-300-1/2	0.500	12,70	0.195	4,95	0.055	1,40	0.035	0,88	20	6
FIT-300-3/4	0.750	19,10	0.313	7,95	0.065	1,65	0.040	1,02	20	4
FIT-300-3/10	0.300	7,62	0.050	1,27	0.100	2,54	0.065	1,65	100	4

