

# **FIT**® Preferred Heat Shrink Products

## HIGHLY-FLEXIBLE IRRADIATED SILICONE RUBBER

### **FIT**® FLEX

UL STANDARD 224  
RoHS COMPLIANT

### CHOOSE **FIT**® FLEX FOR:

- Highest Flexibility Available
- Flexibility in Widest Temperature Range, -75°C to 200°C
- Scrape Abrasion Resistance
- Pliability when Substrate Requires "Give"
- Flame Retardancy
- Use with **XTRA•GUARD**® Flexible Cables



### **FIT**® FLEX APPLICATIONS:

- Robotics Cables
- Automation Equipment Dressing
- Environments With Varied Temperatures
- **XTRA•GUARD**® Flexible Cable Applications
- Fiber Optic Cable Bundles
- Assemblies and Harnesses Requiring Flexibility

Alpha Part No. and Size	Minimum Supplied I.D.		Maximum Rec. I.D.		Nom. Rec. Wall Thickness		Std. Pkg. Spools Feet
	Inches	mm	Inches	mm	Inches	mm	
<b>FIT-FLEX-2</b>	0.112	2,84	0.070	1,77	0.040	1,02	25, 100
<b>FIT-FLEX-3</b>	0.190	4,82	0.116	2,94	0.040	1,02	25, 100
<b>FIT-FLEX-5</b>	0.305	7,74	0.184	4,67	0.040	1,02	25, 100
<b>FIT-FLEX-6</b>	0.391	9,93	0.240	6,09	0.060	1,52	25, 100
<b>FIT-FLEX-9</b>	0.588	14,93	0.357	9,06	0.060	1,52	25, 100
<b>FIT-FLEX-12</b>	0.825	20,95	0.475	12,06	0.080	2,03	25, 100
<b>FIT-FLEX-20</b>	1.217	30,91	0.790	20,06	0.080	2,03	25, 100

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -75°C to 200°C

#### SHRINKAGE RATIO:

- Approximately 1.70 to 1 at 135°C

#### COLOR DESCRIPTION:

- All Standard Packages: Gray

#### PHYSICAL PROPERTIES:

- Tensile Strength: 600 psi, (42 kg/cm<sup>2</sup>)
- Ultimate Elongation: 250%
- Longitudinal Shrinkage: -15%
- Specific Gravity: 1.25
- Flammability: Self-Extinguishing (UL VW-1)

#### CHEMICAL PROPERTIES:

- Corrosive Effect: Non-Corrosive
- Water Absorption: 1.0%
- Shelf Life: 1 Year

#### ELECTRICAL PROPERTIES:

- Dielectric Strength: 200V/mil (79 kV/cm)
- Volume Resistivity: 10<sup>12</sup> ohm-cm

**1.7 TO 1** SHRINK RATIO

Recommended For Use With  
**Oil-Resistant**  
**XTRA•GUARD**® Flexible Cables  
Permanent Solutions For  
Critical Flexing Applications!

### SPECIFICATIONS

- UL Standard 224
- RoHS Compliant

