



F6[®] FLAT

SELF-WRAPPING FLAT DESIGN · LIGHTWEIGHT MAINTAINS WIRES IN FLAT SHAPE · LOW PROFILE

Built on the same design as our Flexo[®] F6[®] and F6[®] Woven, F6[®] Flat is a self-wrappable sleeve used to bundle and protect wire harnesses and cable assemblies in areas where space constraints restrict the use of traditional sleeving. Lightweight and durable, it maintains its flexibility for conforming to irregular shapes and bends during installation. Woven from monofilament and multifilament polyester yarn, F6[®] Flat provides noise suppression and a high level of mechanical abrasion protection making it the perfect for use in automotive applications. The low-profile design is great for channeling and protecting wires that run under the carpet or in the headliner of automobiles.

SIZING CHART

| Nominal Size | Part # | Width | Wall Thickness | *Put-Ups | | Available Colors | Lbs/100' |
|--------------|-----------|-------|----------------|----------|-----|------------------|----------|
| | | | | M | L | | |
| 1" | F6Z1.00BK | 30mm | .038" | 25' | 50' | 1 | 3.26 |
| 1½" | F6Z1.50BK | 40mm | .038" | 25' | 50' | 1 | 4.34 |
| 1¾" | F6Z1.75BK | 50mm | .038" | 25' | 50' | 1 | 5.42 |
| 2¼" | F6Z2.25BK | 60mm | .038" | 25' | 50' | 1 | 6.51 |

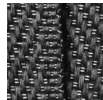
*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



FEATURES

| | |
|-----------------------|----------------------------|
| Material | Polyethylene Terephthalate |
| Grade | F6Z |
| Monofilament Diameter | .015" |
| Drawing Number | TF001F6Z-WD |
| Cutting | Hot Knife |

COLORS



Black (BK)

CERTIFICATIONS





ABRASION

| | |
|---|-------------------|
| Abrasion Resistance | VERY HIGH |
| Abrasion Test Machine | Taber 5150 |
| Abrasion Test Wheel | Calibrase H-18 |
| Abrasion Test Load | 500g |
| Room Temperature | 72°F |
| Humidity | 74% |
| Slight Fraying on Multifilament - PEt Unbroken | 100 Test Cycles |
| Holes Worn Through Multifilament - PET Unbroken | 1,600 Test Cycles |
| Material Destroyed | 2,800 Test Cycles |
| Pre-Test Weight | 11,781.6 mg |
| Post-Test Weight | 9,279.1 mg |
| Test End Loss Of Mass Point Of Destruction | 2,502.5 mg |

PHYSICAL PROPERTIES

| | |
|--|-----------|
| Monofilament Diameter (ASTM D-204) | .015" |
| Flammability Rating | UL94 |
| Recommended Cutting | Hot Knife |
| Colors | 1 |
| Wall Thickness | .038" |
| Tensile Strength (Yarn) (ASTM D-2256 Lbs) | NA |
| Specific Gravity (ASTM D-792) | 1.38 |
| Moisture Absorption % (ASTM D-570) | .1-2 |
| Hard Vacuum Data (ASTM E-595 at 10-5 torr) | NA |
| TML | .19 |
| CVCM | .00 |
| WVR | .16 |
| Smoke D-Max (ASTM E-662) | 56 |
| Outgassing | Medium |
| Oxygen Index (ASTM D-2863) | 21 |

FLAMMABILITY

| | |
|--------|--|
| Rating | |
|--------|--|

OPERATING TEMPERATURES

| | |
|--------------------------|---------------|
| Melt Point (ASTM D-2117) | 493°F / 256°C |
| Maximum Continuous | 302°F / 150°C |
| Minimum Continuous | -49°F / -45°C |

CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

| | |
|------------------------------|------|
| Aromatic Solvents | 2 |
| Aliphatic Solvents | 1 |
| Chlorinated Solvents | 3 |
| Weak Bases | 1 |
| Salts | 1 |
| Strong Bases | 2 |
| Salt Water (O-S-1926) | 1 |
| Hydraulic Fluid (MIL-H-5606) | 1 |
| Lube Oil (MIL-L-7808) | 1 |
| De-Icing Fluid (MIL-A-8243) | 1 |
| Strong Acids | 3 |
| Strong Oxidants | 2 |
| Esters/Ketones | 1 |
| UV Light | 1 |
| Petroleum | 1 |
| Fungus (ASTM G-21) | 1 |
| Halogen Free | Yes |
| RoHS | Yes |
| SVHC | None |