



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"	F6Z1.00BK	40mm	.038"	25'	50'	1	4.34
1¾"	F6Z1.00BK	50mm	.038"	25'	50'	1	5.42
2¼"	F6Z1.00BK	60mm	.038"	25'	50'	1	6.51

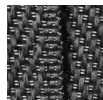
*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



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	
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	493°F / 256°C
Maximum Continuous (Mil-I-23053)	302°F / 150°C
Minimum Continuous (Mil-I-23053)	-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