



**F6® HEAVY**  
**CHAFE PROTECTION WRAP · CUT-THROUGH RESISTANCE**  
**NO TOOL INSTALL · LIGHTWEIGHT AND VERY FLEXIBLE · SELF CLOSING**

F6® HEAVY (F6H) is a unique composite wrap-around chafe guard made from resistant synthetic polymers. Techflex® F6® Heavy is reimagined from the ground up to protect hoses and cables from chafing and abrasion. The easy wrap installation technology is a first for the hydraulic and fluid transfer industry. By combining the extreme cut and abrasion defense of a traditional woven nylon protection sleeve and the self-wrapping properties of our best-selling F6® line of products we have created a new standard for fast in field hose and wire protection. We have eliminated the need to disconnect fittings, connectors and hoses in order to properly protect your systems from damage. Simply apply F6® Heavy and get back work.

**SIZING CHART**

Nominal Size	Part #	Wall Thickness	*Put-Ups		Available Colors	Lbs/100'
			M	L		
3/8"	F6H0.38BK	.06"	75'	150'	1	3.20
1/2"	F6H0.50BK	.06"	50'	100'	1	3.90
5/8"	F6H0.63BK	.06"	50'	100'	1	4.70
3/4"	F6H0.75BK	.06"	50'	100'	1	5.00
1"	F6H1.00BK	.06"	25'	75'	1	6.20
1 3/8"	F6H1.38BK	.06"	25'	75'	1	7.50

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



**FEATURES**

Material	Polyethylene Terephthalate
Grade	F6H
Monofilament Diameter	.06"
Drawing Number	TF001F6H-WD
Cutting	Scissors

**COLORS**



Black (BK)

**CERTIFICATIONS**





## ABRASION

Abrasion Resistance	<b>Extreme</b>
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	71°F
Humidity	72%
First Signs Of Slight Fibers Chafed	1,000 Test Cycles
Wearing Of Yarns Is Deeper & Uniform	6,000 Test Cycles
Material Destroyed - Hole	10,000 Test Cycles
Pre-Test Weight	6.7123 g
Post-Test Weight	6.1526 g
Test End Loss Of Mass Point Of Destruction	0.5597 g

## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.02"
Flammability Rating	
Recommended Cutting	Scissors
Colors	1
Wall Thickness	.06"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	
Specific Gravity (ASTM D-792)	1.38
Moisture Absorption % (ASTM D-570)	2.7
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
TML	1.10
CVCM	.01
WVR	.69
Smoke D-Max (ASTM E-662)	
Outgassing	High
Oxygen Index (ASTM D-2863)	22

## FLAMMABILITY

Rating	
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## OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	482°F / 250°C
Maximum Continuous (Mil-I-23053)	257°F / 125°C
Minimum Continuous (Mil-I-23053)	-94°F / -70°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