### ADVANCED ENGINEERING Technical Data Sheet

# FLEXO<sup>®</sup> WRAP FR

- VW-1, Mil-202 Approved
- Economical And Easy To Install
- Cut And Abrasion Resistant
- Resists Gasoline And Engine Chemicals
- Hook And Loop Closure For Easy And Repeatable Access



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	Nominal Size	Part #	Hook & Loop Width	Bulk Spool	Shop Spool	Available Colors	Lbs/ 100′
	1/2″	FWF0.50TB	1/4″	100′	20′	TB	1.30
	3/4″	FWF0.75TB	5/8″	100′	15′	TB	1.80
	1 1/4″	FWF1.25TB	5/8″	100′	12′	TB	2.30
	2″	FWF2.00TB	5/8″	100′	10′	TB	3.20
	2 1/2"	EXE2 50TB	5/8″	100'	10′	TR	3 75

Dut-Ilnc

#### Easy On, Easy Off Access Will Not Support Combustion

Flame Retardant Flexo Wrap (FWF) provides the same hook and loop wire management flexibility as our standard Flexo Wrap along with the added safety feature of an organic flame inhibitor to provide an additional level of security.

FWF is a safe, economical solution for a wide range of cable management applications where moderate levels of flame protection are needed.

Material Polyethylene Terepthalate

Grade FWF

Monofilament Diameter .010"

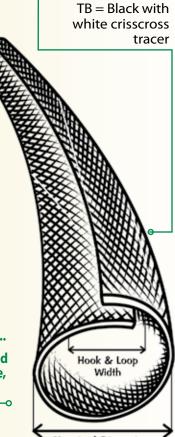
Drawing Number TF001FWFR-WD



**www.techflex.com** 800.323.5140 • 973.300.9242 • fax: 973.300.9409 29 Brookfield Dr • Sparta, NJ 07871 FLEXO WRAP FR is designed for quick and easy management of wire, cable and hose assemblies. Just separate the hook and loop fasteners along the edge of the material...

and slip the entire length of FW around or under your harness or component assembly. The wide expandability range allows FW to easily fit around...

odd-shaped connectors and gently constrict around the diameter of your wires. When the FW is in place, simply seal the hook and loop along the edges.



**Colors Available:** 

Nominal Diameter





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Abrasion Resistance Medium

Abrasion Test Machine Taber 5150

Abrasion Test Wheel Calibrase H-18

Abrasion Test Load **500g** 

Room Temperature **70°F** 

Humidity 63%

Slight Scuffing And One Broken Filament **300 Test Cycles** 

Wear Continues Evenly Approximately One Dozen Filaments Broken **500 Test Cycles** 

Material Destroyed
900 Test Cycles

Pre-Test Weight 3,772.7 mg

Post-Test Weight
3,391.1 mg

Test End Loss Of Mass Point Of Destruction **381.6 mg** 



Rating\_\_\_\_\_VW-1

### Chemical Resistance



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

Aromatic Solvents	2
Aliphatic Solvents	
Chlorinated Solvents	
Weak Bases	1
Salts	1
Strong Bases	
Salt Water 0-S-1926	
Hydraulic Fluid <i>MIL-H-5606</i>	1
Lube Oil MIL-L-7808	1
De-Icing Fluid MIL-A-8243	1
Strong Acids	3
Strong Oxidants	2
Esters/Keytones	2
UV Light	1
Petroleum	1
Fungus ASTM G-21	1
Halogen Free	Yes
RoHS	Yes
SVHC	None

 
 Melt Point ASTM D-2117
 000°

 482°F (250°C)
 500°

 Maximum Continuous Mil-I-23053
 300°

 257°F (125°C)
 200°

Minimum Continuous -94°F (-70°C)<sup>-</sup>

#### PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	.010					
Flammability Rating FMVSS-302 Approved	VW-1					
Recommended Cutting_	Hot Knife					
Colors	1					
Wall Thickness	.025					
Tensile Strength (Yarn)_ ASTM D-2256 Lbs	5					
Specific Gravity ASTM D	<i>-792</i> 1.38					
Moisture Absorption % ASTM D-570	.12					
Hard Vacuum Data ASTM E-595 at 10-5 torr						
TML	.19					
CVCM						
WVR	06					
Smoke D-Max ASTM E-662	275					
Outgassing	Med					
ASTM D-2863	31					
Hook &	Loop					



TEMPERATURES

ERATING

OP

200\*

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