



- 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

**Put-Ups**

Nominal Size	Part #	Hook & Loop Width	Recommended Application Diameter	Bulk Spool	Shop Spool	Available Colors	Kgs/100m
12,7mm	FWF0.50TB	6,4mm	12,7mm	30,5m	6,1m	TB	1,93
19,1mm	FWF0.75TB	15,9mm	12,7mm	30,5m	4,6m	TB	2,68
31,8mm	FWF1.25TB	15,9mm	25,4mm	30,5m	3,7m	TB	3,42
50,8mm	FWF2.00TB	15,9mm	31,8mm	30,5m	3,0m	TB	4,76
63,5mm	FXF2.50TB	15,9mm	-	30,5m	3,0m	TB	5,58



Cut Cleanly  
Hot Knife

**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.

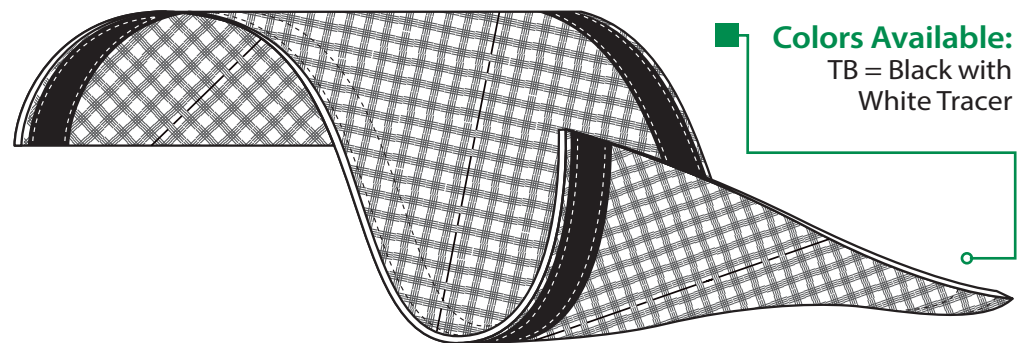
FWF is a safe, economical solution for a wide range of cable management applications where moderate levels of flame protection are needed.

**Material**  
Polyethylene Terephthalate

**Grade**  
FWF

**Monofilament Diameter**  
0,25mm

**Drawing Number**  
TF001FWFR-WD



**Colors Available:**  
TB = Black with White Tracer

**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.**





## ABRASION FLAMMABILITY

**Abrasion Resistance**  
**Medium**

Rating \_\_\_\_\_ VW-1

**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**

## CHEMICAL RESISTANCE

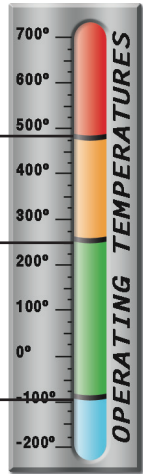
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Aromatic Solvents _____	2
Aliphatic Solvents _____	1
Chlorinated Solvents _____	3
Weak Bases _____	1
Salts _____	1
Strong Bases _____	2
Salt Water 0-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 _____	2
UV Light _____	1
Petroleum _____	1
Fungus ASTM G-21 _____	1
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	None

**Melt Point**  
ASTM D-2117  
482°F (250°C)

**Maximum Continuous**  
Mil-I-23053  
257°F (125°C)

**Minimum Continuous**  
-94°F (-70°C)



## PHYSICAL PROPERTIES

Monofilament Diameter _____	0,25mm
ASTM D-204	
Flammability Rating _____	VW-1
FMVSS-302 Approved	
Recommended Cutting _____	Hot Knife
Colors _____	1
Wall Thickness _____	0,64mm
Tensile Strength (Yarn) _____	5
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	1.38
Moisture Absorption _____	.1-.2
% ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	.19
CVCM _____	.04
WVR _____	.06
Smoke D-Max _____	275
ASTM E-662	
Outgassing _____	Med
Oxygen Index _____	31
ASTM D-2863	