

FLEXO® HEAVY WALL

- **Extreme Abrasion And Cut Resistance**
- **Resists Gasoline, UV, Solvents, Salt Water And Chemicals**
- **Braided From .15 mil PET Monofilament**

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/ 100'
		Min	Max				
3/8"	HWN0.38	3/16"	3/4"	500'	100'	3	0.82
5/8"	HWN0.63	5/16"	7/8"	250'	75'	3	1.10
1"	HWN1.00	1/2"	1 1/2"	250'	50'	3	1.60
1 1/2"	HWN1.50	3/4"	2"	250'	50'	3	2.50
2"	HWN2.00	1 1/2"	3"	200'	50'	3	3.40
3"	HWN3.00	2"	4"	100'	50'	3	4.20
4"	HWN4.00	2 1/2"	5 1/2"	100'	50'	3	4.20



Cut Cleanly
Hot Knife

Material

Polyethylene Terephthalate

Grade

HWN

Monofilament Diameter

.015"

Drawing Number

TF001HW-WD

50% Thicker For The Really Abrasive Jobs

When your application calls for more protection than our 10 mil products provide, our 15 mil HW is the ideal solution.

HW is commonly used in industrial and marine applications where extreme abrasion protection is critical. The durability of HW makes it ideal for protecting hoses and cables that have to withstand constant contact with rough and abrasive surfaces.

HW is the perfect solution for use on chains and cables to protect painted or laminated surfaces from scuffing and wear.

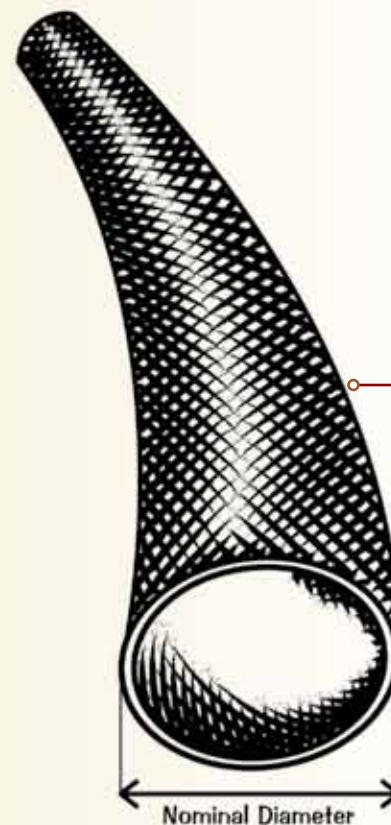
HW protects trailer hitch harnesses from abrasion, flying debris and UV damage without affecting flexibility or trapping moisture like convoluted tubing.

Colors Available:



Clear (CL), Carbon (CB), and Black (BK).

■ **Colors Available:**
3 = BK, CL, and CB.



FLEXO[®] HEAVY WALL



Abrasion Resistance
Medium

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
80°F

Humidity
72%

Two Broken Strands
200 Test Cycles

Braid Worn Through In
One Direction, In Several
Places
700 Test Cycles

Material Destroyed -
Braid Worn Through In
Both Directions
950 Test Cycles

Pre-Test Weight
5,262.7 mg

Post-Test Weight
4,979.9 mg

Test End Loss Of Mass
Point Of Destruction
239.3 mg



Rating _____ **UL94V0**



Chemical Resistance

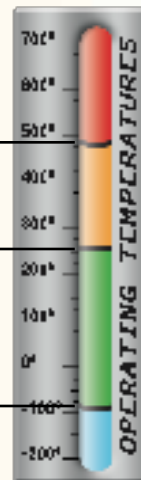
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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/Keytones	1
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 _____ **.015**
ASTM D-204

Flammability Rating _____ **UL94**

Recommended Cutting _____ **Hot Knife**

Colors _____ **3**

Wall Thickness _____ **.038**

Tensile Strength (Yarn) _____ **10**
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 _____ **.00**

WVR _____ **.16**

Smoke D-Max _____ **56**
ASTM E-662

Outgassing _____ **Med**

Oxygen Index _____ **21**
ASTM D-2863