

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	Retail	Clam	Bag	Available Colors	Lbs/ 100'
		Min	Max							
3/8"	HWN0.38	3/16"	3/4"	500'	100'	25'	n/a	10'	3	0.82
5/8"	HWN0.63	5/16"	7/8"	250'	75'	25'	n/a	10'	3	1.10
1"	HWN1.00	1/2"	1 1/2"	250'	50'	25'	n/a	10'	3	1.60
1 1/2"	HWN1.50	3/4"	2"	250'	50'	25'	n/a	10'	3	2.50
2"	HWN2.00	1 1/2"	3"	200'	50'	25'	n/a	10'	3	3.40
3"	HWN3.00	2"	4"	100'	50'	25'	n/a	10'	3	4.20
4"	HWN4.00	2 1/2"	5 1/2"	100'	50'	25'	n/a	10'	3	6.50



Cut Cleanly
Hot Knife

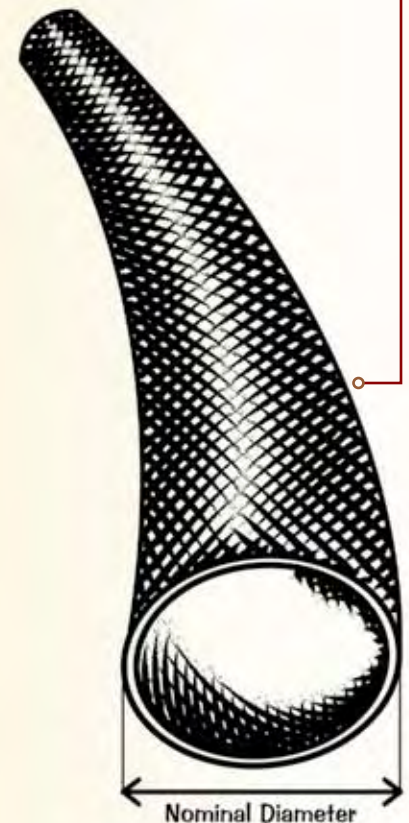
50% Thicker For The Really Abrasive Jobs

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.

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



Material
Polyethylene Terephthalate

Grade
HWN

Monofilament Diameter
.015"

Drawing Number
TF001HW-WD

- **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).



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

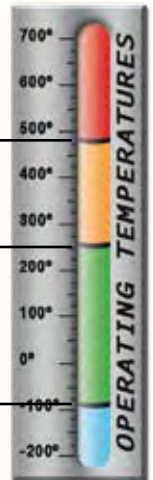
1=No Effect 4=More Affected
 2=Little Effect 5=Severely Affected
 3=Affected

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
<i>ASTM D-204</i>	
Flammability Rating _____	UL94
Recommended Cutting _____	Hot Knife
Colors _____	3
Wall Thickness _____	.038
Tensile Strength (Yarn) _____	10
<i>ASTM D-2256 Lbs</i>	
Specific Gravity <i>ASTM D-792</i> _____	1.38
Moisture Absorption _____	.1-.2
<i>% ASTM D-570</i>	
Hard Vacuum Data <i>ASTM E-595 at 10-5 torr</i>	
TML _____	.19
CVCM _____	.00
WVR _____	.16
Smoke D-Max _____	56
<i>ASTM E-662</i>	
Outgassing _____	Med
Oxygen Index _____	21
<i>ASTM D-2863</i>	

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