## **HEAVY DUTY** Technical Data Sheet

# 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	Part	Expansion Range		Bulk	Shop	Retail	Clam	Bag	Available	Lbs/
Size	#	Min	Max	Spool	Spool				Colors	100'
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

#### Material

**Polyethylene Terepthalate** 

Grade HWN

Monofilament Diameter .015"

Drawing Number TF001HW-WD



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#### 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.

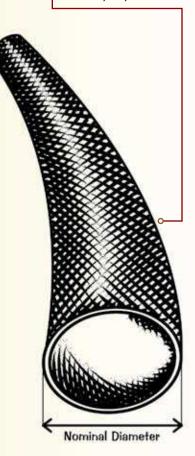
HW protects trailer hitch harnesses from abrasion, flying debris and UV damage without affecting flexibility or trapping moisture like convoluted tubing.

#### **Colors Available:**



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

#### Colors Available: 3 = BK, CL, and CB.







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# FLEXO<sup>®</sup> 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



**UL94V0** Rating

# 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 <i>MIL-H-5</i> 606	1
Lube Oil <i>MIL-L-7808</i>	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

TEMPERATURES Melt Point ASTM D-2117 482°F (250°C) 400\* Maximum Continuous 300\* Mil-I-23053 257°F (125°C) 200\* TING 100\* ERA

Minimum Continuous -94°F (-70°C)

# PHYSICAL PROPERTIES

Monofilame ASTM D-2	ent Dian 04	neter	015
Flammabili	ty Ratin	<u>g</u>	UL94
Recommen	ded Cut	tingHo	ot Knife
Colors			3
Tensile Stre ASTM D-225	ength (Ya 56 Lbs	arn)	10
Specific Gra	avity AS	TM D-792	1.38
Moisture At % ASTM D	o <mark>sorptio</mark> 0- <i>570</i>	n	12
Hard Vacuu	m Data	ASTM E-595 at	10-5 torr
TML			19
CVCM			.00
WVR			.16
	lax		
Outgassing			Med
Oxygen Ind ASTM D-2	ex 863		21

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