### **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.

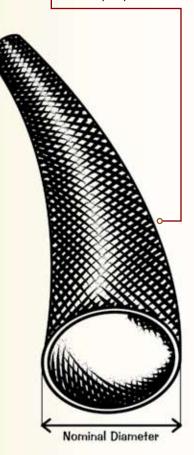
HW protects trailer hitch harnesses from abrasion, flying debris and UV damage without affecting flexibility or trapping moisture like convoluted tubing.

### **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

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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	
Fungus ASTM G-21	
Halogen Free	Yes
RoHS	
SVHC	None

	Melt Point	600*
	ASTM D-2117 482°F (250°C)	500*
	402°F (250°C)	400*
Maximum Continuous Mil-I-23053	300*	
	257°F (125°C)	200*

Minimum Continuous -94°F (-70°C)

# PHYSICAL

Monofilament Diameter	015
Flammability Rating	UL94
Recommended CuttingHot	Knife
Colors	3
Wall Thickness	038
Tensile Strength (Yarn) ASTM D-2256 Lbs	10
Specific Gravity ASTM D-792	_1.38
Moisture Absorption % ASTM D-570	12
Hard Vacuum Data ASTM E-595 at 10	0-5 torr
TML	19
CVCM	.00
WVR	16
Smoke D-Max ASTM E-662	56
Outgassing	Med
Oxygen Index ASTM D-2863	21

TEMPERATURES

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