



- Heavy Duty, .08" Wall Thickness
- ISO 6945 Certified
- Professional Grade Construction
- Smooth Inner Wall Prevents Internal Abrasion Damage
- Braided Nylon Resists UV, Salt Chemicals, Vermin And Rot
- Halogen Free



Cut Cleanly  
Scissors

Material  
Nylon

Grade  
DPN

Wall Thickness  
.08"

Drawing Number  
TF001DP-WD

Put-Ups

Nominal Size	Part #	Wall Thickness	Bulk Spool	Shop Spool	Available Colors	Lbs/100'
0.75"	DPN0.75BK	.08"	100'	50'	Black	4.43
0.93"	DPN0.93BK	.08"	100'	50'	Black	5.51
1.13"	DPN1.13BK	.08"	100'	50'	Black	7.15
1.25"	DPN1.25BK	.08"	100'	50'	Black	7.44
1.35"	DPN1.35BK	.08"	100'	50'	Black	8.02
1.43"	DPN1.43BK	.08"	100'	50'	Black	8.32
1.63"	DPN1.63BK	.08"	100'	50'	Black	9.53
1.81"	DPN1.81BK	.08"	100'	50'	Black	10.71
2.19"	DPN2.19BK	.08"	100'	50'	Black	12.31
2.63"	DPN2.63BK	.08"	100'	50'	Black	14.83
2.88"	DPN2.88BK	.08"	100'	50'	Black	17.30
3.13"	DPN3.13BK	.08"	50'	25'	Black	18.04
3.38"	DPN3.38BK	.08"	50'	25'	Black	20.11
3.63"	DPN3.63BK	.08"	50'	25'	Black	21.60
4.00"	DPN4.00BK	.08"	50'	25'	Black	23.52

ISO 6945 Certified Hose Protection

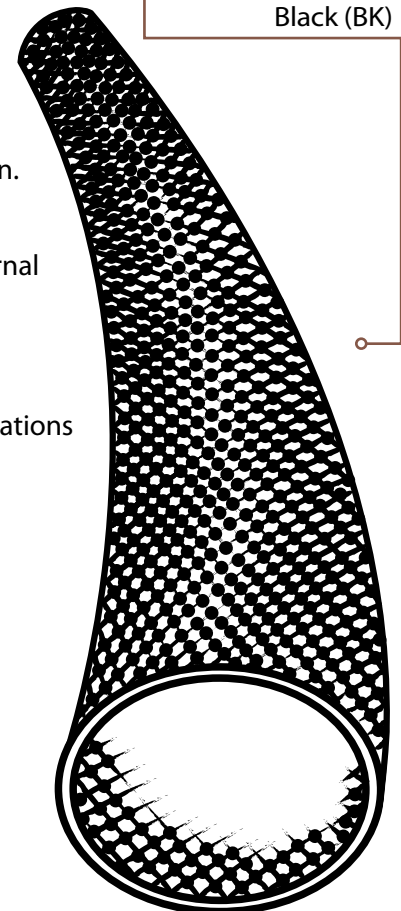
Dura Flex Professional (DP) provides tough hose protection two ways. First, per the ISO 6945 spec, DP's unique .08" thick tubular weave design will withstand greater than 200,000 abrasion cycles without wearing through the fabric at any location.

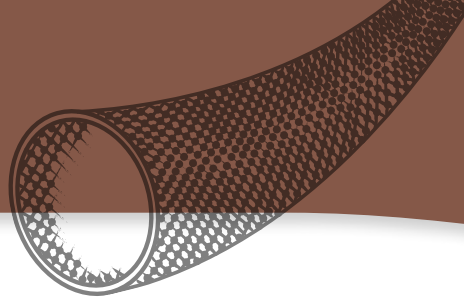
Additionally, the exceptionally smooth inner wall provides easy installation and minimizes any internal abrasion problems. The tightly woven Nylon® construction is extremely flexible and resists chemical and ultraviolet degradation.

DP is perfect for industrial and construction applications where ISO certified hose protection is called for.

This is a non-expandable product. Be sure to match your application diameter accurately.

Colors Available:  
Black (BK)





## ABRASION

**Abrasion Resistance**  
Extremely High

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
85°F

**Humidity**  
74%

**Minimal Visible Wearing  
Into Material**  
400 Test Cycles

**Visible Wearing  
Into Material**  
3,000 Test Cycles

**Heavy Wear But Not Yet  
Through The Material**  
11,000 Test Cycles

**Material Destroyed  
-Hole Through Material**  
13,000 Test Cycles

**Pre-Test Weight**  
14,096 mg

**Post-Test Weight**  
11,705 mg

**Test End Loss Of Mass  
Point Of Destruction**  
2,391 mg

## CHEMICAL RESISTANCE

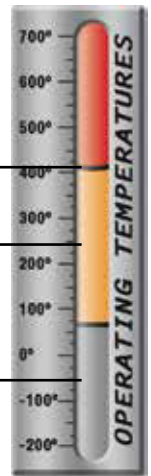
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Aromatic Solvents _____	1
Aliphatic Solvents _____	1
Chlorinated Solvents _____	1
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 _____	5
Strong Oxidants _____	5
Esters/Ketones _____	1
UV Light _____	2
Petroleum _____	3
Fungus ASTM G-21 _____	2
Halogen Free _____	Yes
RoHS _____	Yes
SVHC _____	

**Melt Point**  
ASTM D-2117  
410°F (210°C)

**Maximum Continuous**  
Mil-I-23053  
248°F (120°C)

**Minimum Continuous**  
-49°F (-45°C)



## PHYSICAL PROPERTIES

Monofilament Diameter _____	NA
ASTM D-204	
Flammability Rating _____	
Recommended Cutting _____	Scissor
Colors _____	1
Wall Thickness _____	.08
Tensile Strength (Yarn) _____	
ASTM D-2256 Lbs	
Specific Gravity ASTM D-792 _____	1.14
Moisture Absorption _____	2.7
% ASTM D-570	
Hard Vacuum Data _____	
ASTM E-595 at 10-5 torr	
TML _____	1.10
CVCM _____	.01
WVR _____	.69
Smoke D-Max _____	
ASTM E-662	
Outgassing _____	High
Oxygen Index _____	22
ASTM D-2863	