

DURA-FLEX PRO

- 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	Retail	Bag	Available Colors	Lbs/100'
0.75"	DPN0.75BK	.08"	100'	50'	25'	10'	Black	4.43
0.93"	DPN0.93BK	.08"	100'	50'	25'	10'	Black	5.51
1.13"	DPN1.13BK	.08"	100'	50'	25'	10'	Black	7.15
1.25"	DPN1.25BK	.08"	100'	50'	25'	10'	Black	7.44
1.35"	DPN1.35BK	.08"	100'	50'	25'	10'	Black	8.02
1.43"	DPN1.43BK	.08"	100'	50'	25'	10'	Black	8.32
1.63"	DPN1.63BK	.08"	100'	50'	25'	10'	Black	9.53
1.81"	DPN1.81BK	.08"	100'	50'	25'	10'	Black	10.71
2.19"	DPN2.19BK	.08"	100'	50'	25'	10'	Black	12.31
2.63"	DPN2.63BK	.08"	100'	50'	25'	10'	Black	14.83
2.88"	DPN2.88BK	.08"	100'	50'	25'	10'	Black	17.30
3.13"	DPN3.13BK	.08"	50'	25'	25'	10'	Black	18.04
3.38"	DPN3.38BK	.08"	50'	25'	25'	10'	Black	20.11
3.63"	DPN3.63BK	.08"	50'	25'	25'	10'	Black	21.60
4.00"	DPN4.00BK	.08"	50'	25'	25'	10'	Black	23.52

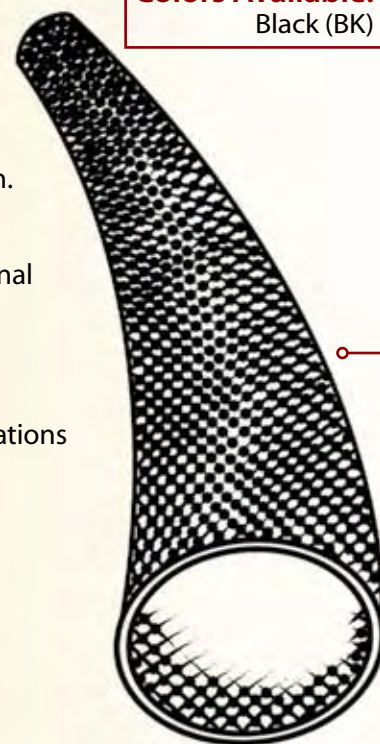
ISO 6945 Certified Hose Protection

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.

■ Colors Available:
Black (BK)



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

DURA-FLEX PRO



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/Keytones	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