

# 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

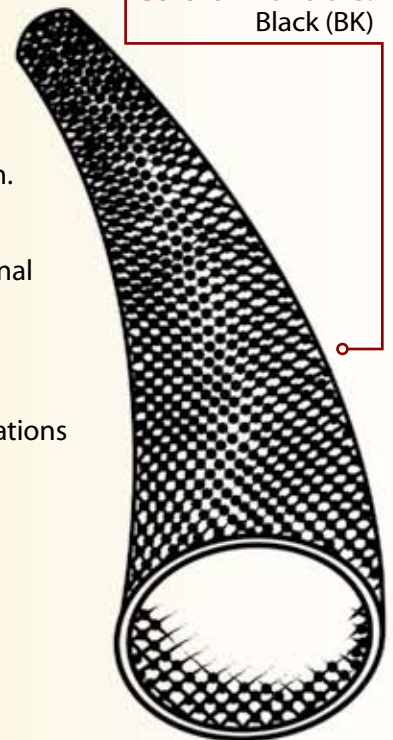
## ISO 6945 Certified Hose Protection

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.



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**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**

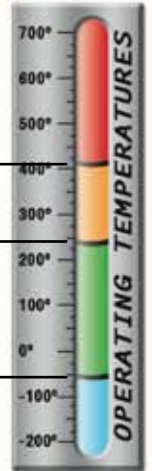
1=No Effect    4=More Affected  
 2=Little Effect    5=Severely Affected  
 3=Affected

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		

www.techflex.com