



**DURA-FLEX**

- Resists Snagging
- Prevents Damage From UV, Gasoline, Engine Chemicals And Salt
- Resists Cut, Abrasion And Penetration
- Flexible & Economical General Purpose Protection
- Deflects High Pressure Hose Ruptures
- Custom Lengths Available
- Halogen Free

**Put-Ups**

Nominal Size	Part #	Wall Thickness	Maxi Coil	Bulk Spool	Shop Spool	Available Colors	Lbs/100'
0.71"	DFN0.71BK	.045"	300'	100'	50'	Black	2.57
0.83"	DFN0.83BK	.045"	300'	100'	50'	Black	2.58
0.92"	DFN0.92BK	.045"	300'	100'	50'	Black	3.22
1.00"	DFN1.00BK	.045"	300'	100'	50'	Black	3.66
1.13"	DFN1.13BK	.045"	300'	100'	50'	Black	4.18
1.25"	DFN1.25BK	.045"	300'	100'	50'	Black	4.49
1.34"	DFN1.34BK	.045"	300'	100'	50'	Black	4.84
1.59"	DFN1.59BK	.045"	300'	100'	50'	Black	5.37
1.75"	DFN1.75BK	.045"	300'	100'	50'	Black	6.13
2.07"	DFN2.07BK	.045"	300'	100'	50'	Black	7.26
2.38"	DFN2.38BK	.045"	300'	100'	50'	Black	8.28
2.54"	DFN2.54BK	.045"	300'	100'	50'	Black	8.98
2.86"	DFN2.86BK	.045"	300'	100'	50'	Black	9.89
3.34"	DFN3.34BK	.045"	300'	50'	25'	Black	11.59
3.66"	DFN3.66BK	.045"	300'	50'	25'	Black	12.25



**Cut Cleanly**  
 Scissors

**Material**  
 Nylon

**Grade**  
 DFN

**Wall Thickness**  
 .045"

**Drawing Number**  
 TF001DF-WD

**Industrial Hose And Cable Protection For Harsh Environments**

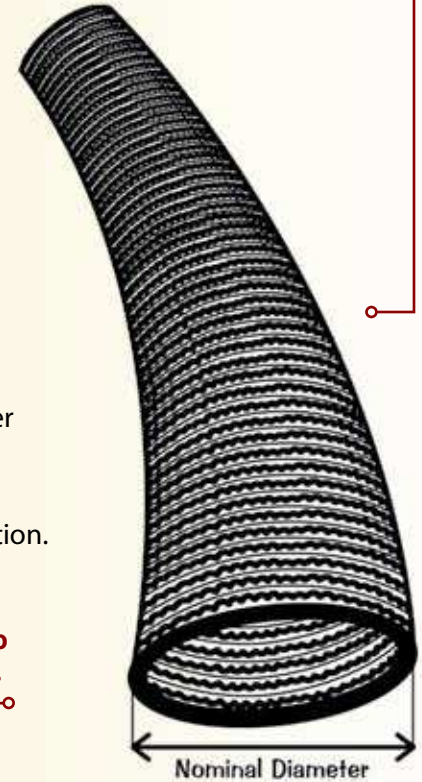
The tightly woven Nylon® makes DF the perfect solution for hose & cable protection. The .045 inch wall thickness will protect cables, hoses and ropes from weather, sunlight and abrasion damage.

When installed over uncoated cable or chains, DF will prevent scraping, chafing and contact damage to painted or other fragile surfaces. DF is resistant to chemicals, UV damage and rot, and is suitable for continuous outdoor use under all weather conditions.

The flexible sleeving cuts with a scissor and the tight construction slides easily over any application.

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

**Colors Available:**  
 Black (BK)





**DURA-FLEX**



**Abrasion Resistance**  
**High**  
**Abrasion Test Machine**  
**Taber 5150**  
**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**  
**Room Temperature**  
**80°F**  
**Humidity**  
**70%**

**Visible Wear And Some**  
**Pulling Of Fibers**  
**500 Test Cycles**

**Further Wear And Some**  
**Pulling At Seam**  
**550 Test Cycles**

**Material Wearing**  
**Through At Seam**  
**2,750 Test Cycles**

**Material Destroyed**  
**3,500 Test Cycles**

**Pre-Test Weight**  
**7,191.6 mg**

**Post-Test Weight**  
**6,680.7 mg**

**Test End Loss Of Mass**  
**Point Of Destruction**  
**510.9 mg**



**Chemical Resistance**

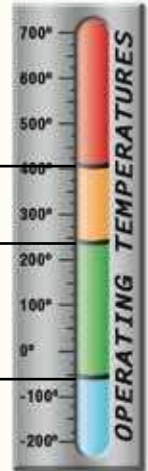
1=No Effect    4=More Affected  
 2=Little Effect    5=Severely Affected  
 3=Affected

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	_____	.045
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		

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