

# 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
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

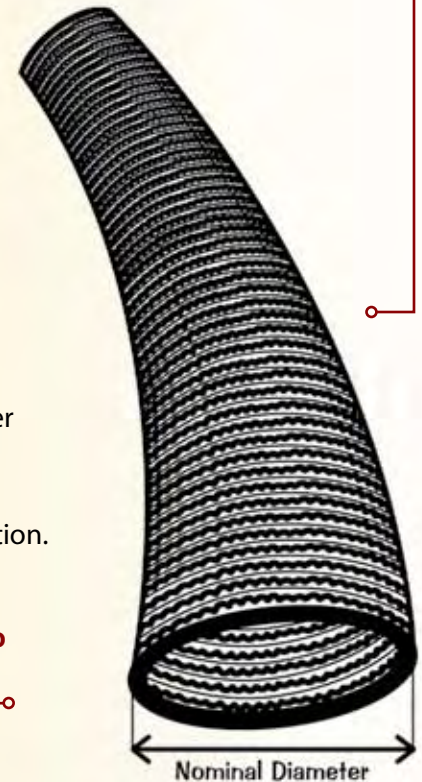
The tightly woven Nylon® makes DF the perfect solution for hose & cable protection. The .09 inch wall thickness will protect cables, hoses and ropes from weather, sunlight and abrasion damage.

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

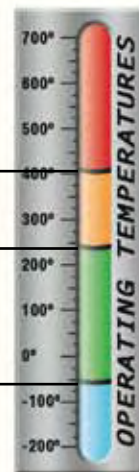
1=No Effect    4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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