HEAVY DUTY
Technical Data Sheet

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

Cut Cleanly
Scissors

Material
Nylon

Grade
DFN

Wall Thickness
.045"

Drawing Number
TF001DF-WD

			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

Colors Available:
Black (BK)

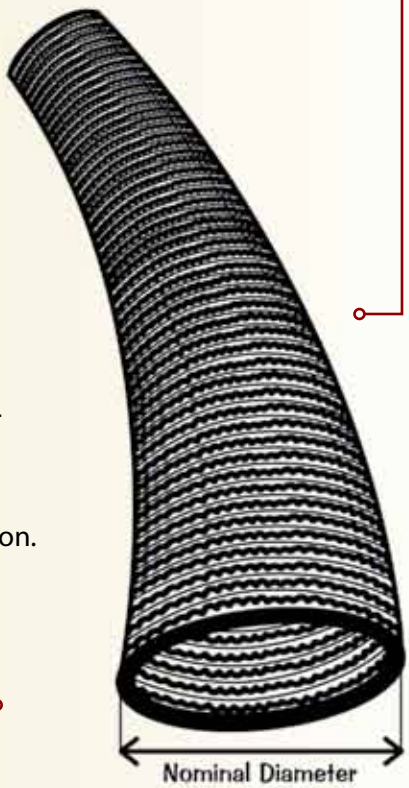
Industrial Hose And Cable Protection For Harsh Environments

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.



TECHFLEX
Braided Sleeving Products
www.techflex.com
800.323.5140 • 973.300.9242 • fax: 973.300.9409
104 Demarest Road • Sparta, NJ 07871

ISO 6945 MSHA RoHS Compliant

HEAVY DUTY
Technical Data Sheet

DURA-FLEX

ABRASION

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

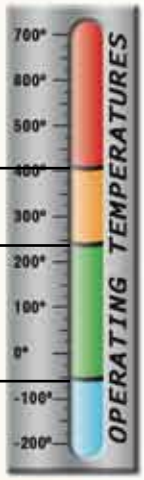
1=*No Effect* 2=*Little Effect* 3=*Affected* 4=*More Affected* 5=*Severely Affected*

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

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 *ASTM D-204*	NA
Recommended Cutting	Scissor
Colors	1
Wall Thickness	.045
Specific Gravity *ASTM D-792*	1.14
Moisture Absorption % *ASTM D-570*	2.7
Hard Vacuum Data *ASTM E-595 at 10-5 torr*	
TML	1.10
CVCM	.01
WVR	.69
Outgassing	High
Oxygen Index *ASTM D-2863*	22

www.techflex.com

© 2014 Techflex, Inc. - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex, Inc. is strictly forbidden.
Techflex product names and logos are registered trademarks of Techflex, Inc., unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's only obligations are those in standard terms of sale for these products and Techflex will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.