

# 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    |

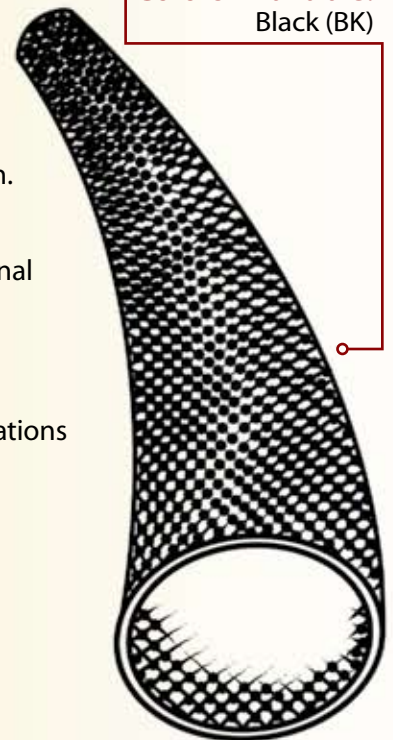
### ISO 6945 Certified Hose Protection

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**

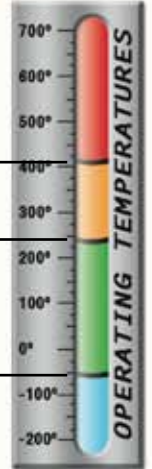
1=No Effect    4=More Affected  
 2=Little Effect    5=Severely Affected  
 3=Affected

|                            |       |     |
|----------------------------|-------|-----|
| 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                              |       |         |

www.techflex.com