



DURA BRAID SEAMLESS BRAIDED DESIGN DEFLECTS HIGH PRESSURE HOSE RUPTURES • RESISTS SNAGGING

The Techflex® Dura Braid is the longest wearing braided abrasion sleeve we have ever made. Taking advantage of the benefits of our braiding heritage Dura Braid is more flexible, easier to fit on applications and has no seam on its axis. The result is a continuous seamless and beautiful product that will protect your woven Dura Flex product. In side by side comparisons our new Dura Braid provides 50% more wear life than the industry standard hose protection sleeves. This new technology hose guard wears like iron with help from our new and exclusive polymeric textile infusion process. This is the first product of its kind and it will set a new standard in the hose guard industry. Hydraulic and pneumatic hose systems are hyper critical to many industrial machines. That's why we take our protection so seriously. Unprotected hose and wire systems cost our economy in so many ways including lost productivity, repairs, and cleanups. Techflex® is built on developing and providing solutions before problems occur. We constantly strive to for cost effective solution too and Dura Braid is priced competitively with solutions that offer 1/2 of its abrasion resistance.

SIZING CHART

| Nominal Size | Part # | Wall Thickness | *Put-Ups | | Available Colors | Lbs/ 100' |
|--------------|-----------|----------------|----------|------|------------------|-----------|
| | | | M | L | | |
| 1/2" | DBN0.50BK | .064" | 50' | 100' | 1 | 3.10 |
| 5/8" | DBN0.63BK | .064" | 50' | 100' | 1 | 3.20 |
| 3/4" | DBN0.75BK | .064" | 50' | 100' | 1 | 4.00 |
| 7/8" | DBN0.88BK | .064" | 50' | 100' | 1 | 4.60 |
| 1" | DBN1.00BK | .064" | 50' | 100' | 1 | 4.60 |
| 1 1/4" | DBN1.25BK | .064" | 50' | 100' | 1 | 5.70 |
| 1 1/2" | DBN1.50BK | .064" | 50' | 100' | 1 | 5.30 |
| 2 3/16" | DBN2.19BK | .064" | 50' | 100' | 1 | 8.30 |

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

FEATURES

| | |
|----------------|----------------------------|
| Material | Polyethylene Terephthalate |
| Grade | DBN |
| Wall Thickness | .064" |
| Drawing Number | TF00DBN-WD |
| Cutting | Scissors |

COLORS



Black (BK)

CERTIFICATIONS



MSHA
Pending.



TECHFLEX®
Braided Sleeving Products



ABRASION

| | |
|--|-------------------|
| Abrasion Resistance | EXTREME |
| Abrasion Test Machine | Taber 5150 |
| Abrasion Test Wheel | Calibrase H-18 |
| Abrasion Test Load | 500g |
| Room Temperature | 79°F |
| Humidity | 74% |
| Surface Somewhat Fuzzy | 600 Test Cycles |
| Material Slightly Worn | 3,000 Test Cycles |
| Significant Wear | 5,000 Test Cycles |
| Material Destroyed | 7,000 Test Cycles |
| Pre-Test Weight | 12,808.1 mg |
| Post-Test Weight | 12,178.8 mg |
| Test End Loss Of Mass Point Of Destruction | 629.3 mg |

PHYSICAL PROPERTIES

| | |
|--|----------|
| Monofilament Diameter (ASTM D-204) | NA |
| Flammability Rating | |
| Recommended Cutting | Scissors |
| Colors | 1 |
| Wall Thickness | .064" |
| Tensile Strength (Yarn) (ASTM D-2256 Lbs) | |
| Specific Gravity (ASTM D-792) | 1.38 |
| Moisture Absorption % (ASTM D-570) | .1-.2 |
| Hard Vacuum Data (ASTM E-595 at 10-5 torr) | |
| TML | .19 |
| CVCM | .00 |
| WVR | .16 |
| Smoke D-Max (ASTM E-662) | |
| Outgassing | Med |
| Oxygen Index (ASTM D-2863) | 22 |

FLAMMABILITY

| |
|--------|
| Rating |
|--------|

OPERATING TEMPERATURES

| | |
|----------------------------------|---------------|
| Melt Point (ASTM D-2117) | 410°F / 210°C |
| Maximum Continuous (Mil-I-23053) | 248°F / 120°C |
| Minimum Continuous (Mil-I-23053) | -49°F / -45°C |

CHEMICAL RESISTANCE

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

| | |
|------------------------------|-----|
| Aromatic Solvents | 2 |
| Aliphatic Solvents | 1 |
| Chlorinated Solvents | 3 |
| Weak Bases | 1 |
| Salts | 1 |
| Strong Bases | 2 |
| Salt Water (O-S-1926) | 1 |
| Hydraulic Fluid (MIL-H-5606) | 1 |
| Lube Oil (MIL-L-7808) | 1 |
| De-Icing Fluid (MIL-A-8243) | 1 |
| Strong Acids | 3 |
| Strong Oxidants | 2 |
| Esters/Ketones | 1 |
| UV Light | 1 |
| Petroleum | 1 |
| Fungus (ASTM G-21) | 1 |
| Halogen Free | Yes |
| RoHS | Yes |
| SVHC | |