

## **FLEXO® SUPER DUTY**

- **Full Coverage**
- Extreme Abrasion And Cut Resistance
- Resists Gasoline, UV, Solvents, Salt Water And Chemicals
- Braided From 20 mil Nylon Monofilament
- Custom Lengths Available
- Halogen Free



Material

**Nylon 6-6 Monofilament** 

Grade

**SDN** 

**Monofilament Diameter** 

.020"

**Drawing Number** 

TF001NY-WD



| Nominal<br>Size | Part<br># | Expansion Range |        | Bulk  | Shop  | Retail | Bag | Available | Lbs/ |
|-----------------|-----------|-----------------|--------|-------|-------|--------|-----|-----------|------|
|                 |           | Min             | Max    | Spool | Spool |        |     | Colors    | 100′ |
| 1/4″            | SDN0.25BK | 1/4"            | 1/2"   | 500′  | 100′  | 50′    | 10′ | Black     | 1.05 |
| 1/2"            | SDN0.50BK | 1/2"            | 1"     | 250′  | 100′  | 50′    | 10′ | Black     | 1.85 |
| 3/4"            | SDN0.75BK | 3/4"            | 1 1/4" | 250′  | 50′   | 25′    | 10′ | Black     | 2.30 |
| 1"              | SDN1.00BK | 1″              | 1 1/2" | 250′  | 50′   | 25′    | 10′ | Black     | 2.75 |
| 1 1/4"          | SDN1.25BK | 1 1/4"          | 2"     | 250′  | 50′   | 25′    | 10′ | Black     | 3.00 |
| 1 3/4"          | SDN1.75BK | 1 3/4"          | 2 3/4" | 100′  | 25′   | 15′    | 10′ | Black     | 4.00 |
| 2 1/4"          | SDN2.25BK | 2 1/1"          | 3"     | 100′  | 25′   | 15′    | 10′ | Black     | 5.30 |

**Put-Ups** 

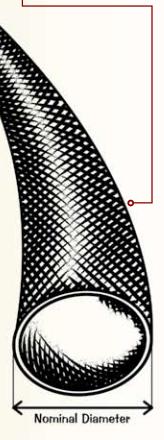
Heavy Duty Construction For High Abrasion Protection, Light Weight & Flexible For Easy Installation.

SD is braided from .020" Nylon® 6-6 Polyamide monofilament. Heavy duty and flexible, this sleeving is extremely versatile. Excellent durability makes SD ideal for a wide range of industrial applications, and other jobs where high abrasion protection is needed.

Super Duty will outperform the competition's dual monofilament sleeving. SD is also more economical and easy to use, cutting cleanly with a hot knife leaving a neat, sealed end.

SD protects hydraulic hoses from abrasion, flying debris and UV damage without affecting flexibility or trapping moisture like other abrasion covers.

Colors Available:





**www.techflex.com** 800.323.5140 • 973.300.9242 • fax: 973.300.9409 29 Brookfield Dr • Sparta, NJ 07871



### FLEXO® SUPER DUTY



Abrasion Resistance High

**Abrasion Test Machine Taber 5150** 

**Abrasion Test Wheel** Calibrase H-18

Abrasion Test Load 500g

**Room Temperature** 72°F

Humidity 48%

**Material Destroyed** 2,500 Test Cycles

Pre-Test Weight 6,878.6 mg

Post-Test Weight 6,527.2 mg

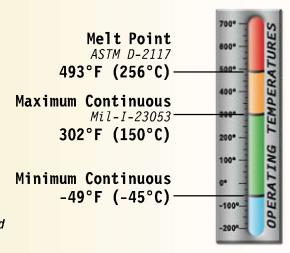
**Test End Loss Of Mass Point Of Destruction** 351.4 mg



#### Chemical Resistance

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

| Aromatic Solvents          |     |
|----------------------------|-----|
| 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                       |     |
| SVHC                       |     |



# PHYSICAL

| Monofilament Diameter                      | 020            |
|--|----------------|
| Flammability Rating                        |                |
| Recommended Cutting                        | _Hot Knife     |
| Colors                                     | 1              |
| Wall Thickness                             | 05             |
| Tensile Strength (Yarn)<br>ASTM D-2256 Lbs |                |
| Specific Gravity ASTM D-792_               | 1.14           |
| Moisture Absorption<br>% ASTM D-570        | 2.5            |
| Hard Vacuum Data ASTM E-59                 | 5 at 10-5 torr |
| TML  | 1.10           |
| CVCM                                       | 01             |
| WVR  | 69             |
| Smoke D-Max<br>ASTM E-662                  |                |
| Outgassing                                 | High           |
| Oxygen Index                               | 22             |

ÁŠTM D-2863

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