FLEXO® SUPER DUTY

HEAVY DUTY CONSTRUCTION FOR HIGH ABRASION PROTECTION
LIGHTWEIGHT · FLEXIBLE FOR EASY INSTALLATION · FULL COVERAGE

FLEXO® SUPER DUTY 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.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/ 100'
				M	L		
¼"	SDN0.25BK	¼"	½"	100'	500'	1	1.05
½"	SDN0.50BK	½"	1"	100'	250'	1	1.90
¾"	SDN0.75BK	¾"	1¼"	50'	250'	1	2.30
1"	SDN1.00BK	1"	1⅜"	50'	250'	1	2.75
1¼"	SDN1.25BK	1¼"	2"	50'	250'	1	3.45
1¾"	SDN1.75BK	1¾"	2¼"	25'	100'	1	4.00
2¼"	SDN2.25BK	2¼"	2⅞"	25'	100'	1	5.45

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



FEATURES

Material	**Nylon 6-6 Monofilament**
Grade	**SDN**
Monofilament Diameter	**.02"**
Drawing Number	**TF001SDN-WD**
Cutting	**Hot Knife**

COLORS



Black (BK)

CERTIFICATIONS

Prop 65 CLEAN | RoHS Compliant

TECHFLEX® Braided Sleeving Products

HEAVY DUTY
Technical Data Sheet

ABRASION

Abrasion Resistance	**Very 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

PHYSICAL PROPERTIES

Monofilament Diameter *(ASTM D-204)*	.02”
Flammability Rating	
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.05”
Tensile Strength (Yarn) *(ASTM D-2256 Lbs)*	9
Specific Gravity *(ASTM D-792)*	1.14
Moisture Absorption % *(ASTM D-570)*	2.5
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 *(ASTM D-2863)*	22

FLAMMABILITY

Rating	

OPERATING TEMPERATURES

Melt Point *(ASTM D-2117)*	493°F / 256°C
Maximum Continuous	302°F / 150°C
Minimum Continuous	-49°F / -45°C

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/Ketones	1
UV Light	2
Petroleum	3
Fungus *(ASTM G-21)*	2
Halogen Free	Yes
RoHS	Yes
SVHC	

www.TECHFLEX.com
104 Demarest Road • Sparta, NJ 07871 • 1 (833) SLEEVING • (973) 300-9242 • fax: (973) 300-9409

© 2026 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden. Techflex® product names and logos are registered trademarks of Techflex®, 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.

04-07-26