



## DURA FLEX PRO ISO 6945 CERTIFIED HOSE PROTECTION

### PROFESSIONAL GRADE CONSTRUCTION · RESISTS UV, SALT, CHEMICALS, VERMIN, & ROT

Dura Flex Professional (DPN) provides tough hose protection two ways. First, per the ISO 6945 spec, DP's unique 2mm 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. DPN is perfect for industrial and construction applications where ISO certified hose protection is called for.

#### SIZING CHART

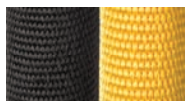
Nominal Size	Part #	Wall Thickness	*Put-Ups		Available Colors	Kgs/100m
			M	L		
19,1mm	DPN0.75BK	2,0mm	15,2m	30,5m	1	6,59
23,6mm	DPN0.93BK	2,0mm	15,2m	30,5m	1	8,20
28,7mm	DPN1.13BK	2,0mm	15,2m	30,5m	1	10,64
31,8mm	DPN1.25BK	2,0mm	15,2m	30,5m	1	11,07
34,3mm	DPN1.35BK	2,0mm	15,2m	30,5m	1	11,94
36,3mm	DPN1.43BK	2,0mm	15,2m	30,5m	1	12,38
41,4mm	DPN1.63BK	2,0mm	15,2m	30,5m	1	14,18
46,0mm	DPN1.81BK	2,0mm	15,2m	30,5m	1	15,94
55,6mm	DPN2.19BK	2,0mm	15,2m	30,5m	1	18,32
66,8mm	DPN2.63BK	2,0mm	15,2m	30,5m	1	22,07
73,2mm	DPN2.88BK	2,0mm	15,2m	30,5m	1	25,75
79,5mm	DPN3.13BK	2,0mm	7,6m	15,2m	1	26,85
85,9mm	DPN3.38BK	2,0mm	7,6m	15,2m	1	29,93
92,2mm	DPN3.63BK	2,0mm	7,6m	15,2m	1	32,14
101,6mm	DPN4.00BK	2,0mm	7,6m	15,2m	1	35,00

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

#### FEATURES

Material	Nylon
Grade	DPN
Wall Thickness	2mm
Drawing Number	TF001DPN-WD
Cutting	Scissors

#### COLORS



Black (BK), Yellow (YL)\*\*

\*\* Special Order

#### CERTIFICATIONS



**ISO 6945** MSHA





## ABRASION

Abrasion Resistance	<b>EXTREME</b>
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	85°F / 29°C
Humidity	74%
Minimal Visible Wearing Into Material	400 Test Cycles
Visible Wearing	3 000 Test Cycles
Heavy Wear But Not Yet Through The Material	11 000 Test Cycles
Material Destroyed	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

## PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	
Recommended Cutting	Scissors
Colors	1
Wall Thickness	2mm
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	
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	1,1
CVCM	0,01
WVR	0,69
Smoke D-Max (ASTM E-662)	
Outgassing	High
Oxygen Index (ASTM D-2863)	22

## FLAMMABILITY

Rating	
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## 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	1
Aliphatic Solvents	1
Chlorinated Solvents	1
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	5
Strong Oxidants	5
Esters/Ketones	1
UV Light	2
Petroleum	3
Fungus (ASTM G-21)	2
Halogen Free	Yes
RoHS	Yes
SVHC	