#### **SPECIALTY** Technical Data Sheet



## *MYLAR*™

- Economical And Easy To Install
- Expands Up To 150%
- Conductive Mylar For Shielding Applications
- Cut And Abrasion Resistant
- Halogen Free



Material PET / Mylar

Grade MYN/MYE

Monofilament Diameter .010"

Drawing Number TF001MY-WD



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Ph. B			Put-Ups							
N	Nominal Size	Part #	Expansion Range		Bulk	Shop	Retail	Bag	Available	Lbs/
			Min	Max	Spool	Spool			Colors	100′
	1/4″	MYN0.25	1/8″	7/16″	1,000′	200′	100′	10′	GL & SV	0.17
	1/2″	MYN0.50	1/4″	1″	500′	100′	50′	10′	GL & SV	0.35
	3/4″	MYN0.75GL	5/8″	1 3/4″	250′	75′	35′	10′	GL	0.52
			Dut line							

	Put-Ops								
Nominal	Part #	Expansion Range		Bulk	Shop	Retail	Bag	Available	Lbs/
Size		Min	Max	Spool	Spool			Colors	100′
1/8″	MYE0.13PC	1/16″	5/32″	1,000′	225′	110′	10′	PC	0.08
1/4″	MYE0.25PC	5/32″	5/16″	1,000′	200′	100′	10′	PC	0.10
3/8″	MYE0.38PC	5/16″	15/32″	500′	125′	65′	10′	PC	0.11
1/2″	MYE0.50PC	1/4″	3/4″	500′	100′	50′	10′	PC	0.42

#### Lightweight Economical Metallic Alternative

When your needs don't call for the durability or toughness of our CH or CX sleeving, Mylar (MY) is an ideal, economical alternative. MY is perfect for cosmetic applications and a wide variety of installation methods create dramatic results.

Audiophile cable builders often use MY under other sleeving types to create a unique, custom visual effect. Applications that combine MY with a more robust sleeving will withstand abrasion and general use and still have the custom, "Wow!" effect cable fabricators are looking for.

Braided from thin metallic Mylar strips along with transparent PET monofilament, MY creates a sparkling, highly reflective effect.

MY can be used instead of Mylar sheets to wrap and bundle cables. Light weight and economy make MY an ideal product for designing and tying fishing lures of all types and sizes. Several world records have been set with lures constructed with Techflex sleeving.

Spectacular highlights and unique visual effects are achieved when Mylar is combined with other sleeving types.

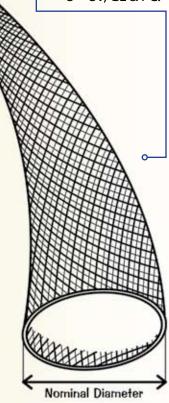
#### Colors Available:





Silver (SV) and Gold (GL) and Pearlescent Clear (PC).







#### **SPECIALTY Technical Data Sheet**





Abrasion Resistance **Very Low** 

**Abrasion Test Machine Taber 5150** 

**Abrasion Test Wheel** Calibrase H-18

Abrasion Test Load 500g

**Room Temperature** 70°F

**Humidity** 56%

Many Broken Strands -Heavy Wear To Gold **Mylar Filaments. PET Braid Remains Intact. 20 Test Cycles** 

**Material Destroyed 90 Test Cycles** 

**Pre-Test Weight** 962.2 mg

**Post-Test Weight** 890.5 mg

**Test End Loss Of Mass Point Of Destruction** 71.7 mg

### Chemical Resistance

1=No Effect 4=More Affected 2=Little Effect 5=Severely Affected 3=Affected Aromatic Solvents 2 Aliphatic Solvents \_\_\_\_\_1 Chlorinated Solvents 3 Weak Bases 1 Salts 1 Strong Bases 3 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 \_\_\_\_\_3 Strong Oxidants \_\_\_\_\_2 Esters/Keytones \_\_\_\_\_1 UV Light 1 Petroleum 1 Fungus ASTM G-21\_\_\_\_\_ 1 Halogen Free \_\_\_\_\_ Yes RoHS \_\_\_\_\_Yes

SVHC

Maximum Continuous Mil-I-23053 257°F (125°C)

Minimum Continuous -94°F (-70°C)

#### TEMPERATURES Melt Point ASTM D-2117 482°F (250°C) 1000 20.0\* OPERATING 100\* 200

# PHYSICAL

Monofilament Diameter ASTM D-204	.010
Recommended Cutting	_Hot Knife
Colors	3
Wall Thickness	.025
Specific Gravity ASTM D-792	1.3
Moisture Absorption % ASTM D-570	.12
Hard Vacuum Data ASTM E-595	at 10-5 torr
TML	.19
CVCM	
WVR	.16
Outgassing	Med
Oxygen Index	21

**ASTM D-2863** 

None

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