



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





- Economical And Easy To Install
- Expands Up To 150%
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant
- Mil-202, FAR-25, FMVSS 302, VW-1, FR-1 Approved
- Halogen Free



Cut Cleanly
Hot Knife

Material	Polyethylene Terephthalate
Grade	FRN
Monofilament Diameter	.010"
Drawing Number	TF001FR-WD

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/8"	FRN0.13	3/32"	1/4"	1,000'	225'	7	0.16
1/4"	FRN0.25	1/8"	7/16"	1,000'	200'	7	0.24
3/8"	FRN0.38	3/16"	5/8"	500'	125'	7	0.57
1/2"	FRN0.50	1/4"	3/4"	500'	100'	7	0.72
3/4"	FRN0.75	1/2"	1 1/4"	250'	75'	7	1.07
1"	FRN1.00	5/8"	1 5/8"	250'	65'	7	1.34
1 1/4"	FRN1.25	3/4"	1 3/4"	250'	50'	7	1.60
1 1/2"	FRN1.50	1"	2 1/2"	200'	40'	7	1.96
1 3/4"	FRN1.75	1 1/4"	2 3/4"	200'	30'	7	2.70
2"	FRN2.00	1 1/2"	3 1/2"	200'	50'	7	3.30
2 1/2"	FRN2.50	1 3/4"	4 1/2"	200'	50'	7	3.80
3"	FRN3.00	2 1/2"	4 3/4"	100'	50'	7	4.00
3 End Construction							
1/4"	FR30.25TB	1/8"	3/8"	1,000'	200'	TB, GW, TW	0.39

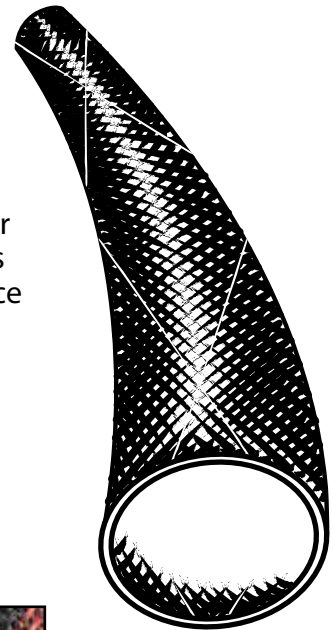
Flame Retardant, Economical Sleaving Solution

Flexo® PET Flame Retadant (FR) sleeving is the perfect choice for electronic and high tech applications where flame retardance and durability are primary concerns. Ease of installation makes FR an efficient choice for long runs of wire or cable.

The addition of an organic combustion inhibitor to our standard polyethylene terephthalate gives FR an Underwriters Lab and CSA flame resistance rating of VW-1.

FR meets or exceeds automotive and aircraft engineering standards for flammability and flame retardance.

Colors Available:
BK,TW,GW,TB,YS,OS,SP



Colors Available:



Black (BK), White with Black Tracer (TW), Gray with White Tracer(GW), Black with White Tracer (TB), Black with Yellow Tracer (YS), Black with Orange Tracer (OS), Black with Red Tracer (SP).



ABRASION FLAMMABILITY

Abrasion Resistance
Medium

Rating _____ VW-1

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
80°F

Humidity
70%

Minor Scuffing Is Visible
100 Test Cycles

Several Broken Strands
And Small Hole
Developing
500 Test Cycles

Material Destroyed
700 Test Cycles

Pre-Test Weight
4124.0 mg

Post-Test Weight
3884.7 mg

Test End Loss Of Mass
Point Of Destruction
239.3 mg

CHEMICAL RESISTANCE

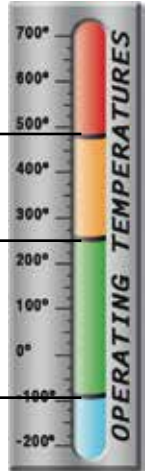
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

Aromatic Solvents _____ 2
Aliphatic Solvents _____ 1
Chlorinated Solvents _____ 3
Weak Bases _____ 1
Salts _____ 1
Strong Bases _____ 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 _____ 3
Strong Oxidants _____ 2
Esters/Keytones _____ 2
UV Light _____ 1
Petroleum _____ 1
Fungus ASTM G-21 _____ 1
Halogen Free _____ Yes
RoHS _____ Yes
SVHC _____ None

Melt Point
ASTM D-2117
482°F (250°C)

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

Minimum Continuous
-94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____ .010
ASTM D-204
Flammability Rating _____ VW-1
FMVSS-302 Approved
Recommended Cutting _____ Hot Knife
Colors _____ 7
Wall Thickness _____ .025
Tensile Strength (Yarn) _____ 5
ASTM D-2256 Lbs
Specific Gravity ASTM D-792 _____ 1.38
Moisture Absorption _____ .1-.2
% ASTM D-570
Hard Vacuum Data _____
ASTM E-595 at 10-5 torr
TML _____ .19
CVCM _____ .04
WVR _____ .06
Smoke D-Max _____ 275
ASTM E-662
Outgassing _____ Med
Oxygen Index _____ 31
ASTM D-2863