



- Complies to HL2 According to the Railway Standard DIN EN 45545-2
- Specialized Lightweight Resin
- Expands Up To 150%
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant
- FAR-25, DIN EN 45545-2, VW-1

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Kgs/100m
		Min	Max				
3,2mm	FRP0.13TB	1,6mm	6,4mm	304,8m	61,0m	1	0,3
6,4mm	FRP0.25TB	3,2mm	11,1mm	304,8m	61,0m	1	0,4
9,5mm	FRP0.38TB	4,8mm	12,7mm	152,4m	38,1m	1	0,9
12,7mm	FRP0.50TB	6,4mm	19,1mm	152,4m	30,5m	1	1,2
19,1mm	FRP0.75TB	12,7mm	31,8mm	76,2m	22,9m	1	1,8
31,8mm	FRP1.25TB	19,1mm	44,5mm	76,2m	15,2m	1	2,4
38,1mm	FRP1.50TB	25,4mm	63,5mm	76,2m	12,2m	1	3,1
44,5mm	FRP1.75TB	31,8mm	69,9mm	76,2m	9,1m	1	4,3
50,8mm	FRP2.00TB	44,5mm	92,1mm	61,0m	15,2m	1	5,1
63,5mm	FRP2.50TB	50,8mm	98,4mm	61,0m	15,2m	1	5,2



Cut Cleanly
Hot Knife

Material

Polyethylene Terephthalate

Grade

FRP

Monofilament Diameter

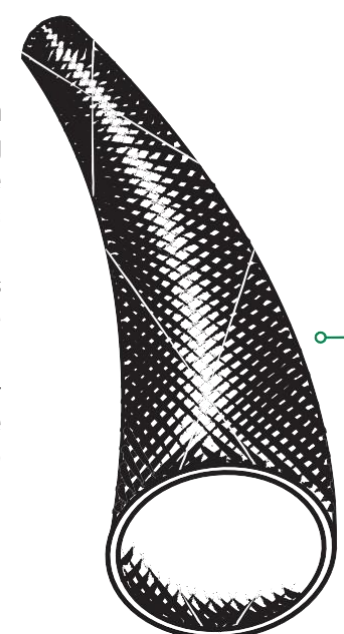
0,25mm

Drawing Number

TF001FRP-WD

Flexo® Flame Retardant Plus
An Ideal Sleeving For Projects When
A Hot Knife Is Inaccessible

FLEXO® FR PLUS sleeving for electronic and high-tech applications incorporates the specialized resin coating and fray-resistance of FLEXO® PET Plus with the added benefit of flame retardant protection. It cuts easily and cleanly with ordinary scissors, making FLEXO® FR Plus ideal for projects when a hot knife is inaccessible. It has a wide operating temperature range resistant to chemical degradation, UV radiation and abrasion. Its organic combustion inhibitor additionally gives FLEXO® FR Plus a flame resistance rating of VW-1. Also it complies to HL2 according to railway standard DIN EN 45545-2.



Colors Available:



Black with White Tracer (TB)



7, boulevard de l'Odet
35740 Pacé - France

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FAR-25

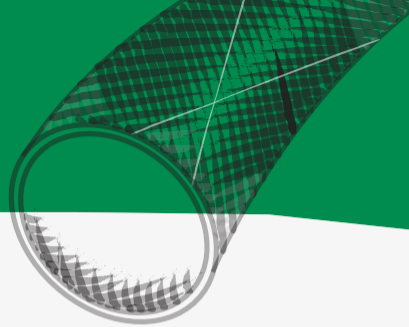
ABYC

VW-1



DIN EN
45545-2





ABRASION FLAMMABILITY

Abrasion Resistance
Medium

Rating _____ UL VW-1

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
22°C

Humidity
46%

Threads Damaged
150 Test Cycles

Small Holes
350 Test Cycles

Material Destroyed
600 Test Cycles

Pre-Test Weight
6550 mg

Post-Test Weight
6055 mg

Test End Loss Of Mass
Point Of Destruction
495 mg

CHEMICAL RESISTANCE

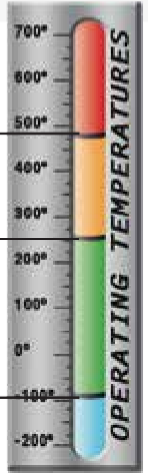
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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/Ketones	_____	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	_____	0,25mm
ASTM D-204		
Flammability Rating	_____	VW-1
FMVSS-302 Approved		
Recommended Cutting	_____	Scissors/HK
Colors	_____	1
Wall Thickness	_____	0,64mm
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		