



FLEXO® REFLEX

TINY RETROREFLECTIVE LENSES IN THE SLEEVING PROVIDE EXTREME REFLECTIVITY EVEN UNDER THE MOST ADVERSE LIGHTING CONDITIONS REFLECTS ON-AXIS LIGHT 360° UP TO 206 METERS

Flexo® Reflex (RFN) is our polyethylene terephthalate material braided together with highly reflective 3M Scotchlite® retroreflective monofilament. This unique combination provides a high level of wire and cable protection with the added advantage of extraordinary 360 degree, on-axis reflectivity. Flexo® Reflex is up to 1,500 times brighter than plain white under identical conditions and will provide high visibility safety on wires, hoses, cables, bicycle and motorcycle cables, stage wiring and virtually anything else up to 206 meters away. Reflective even under low light conditions.

SIZING CHART

Nominal Size	Part #	Wall Thickness	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Kgs/100m
					M	L		
3,2mm	RFN0.13CL	0,66mm	1,6mm	6,4mm	30,5m	304,8m	CL	0,43
6,4mm	RFN0.25	0,66mm	4,8mm	9,5mm	30,5m	304,8m	2	0,49
12,7mm	RFN0.50	0,66mm	6,4mm	25,4mm	30,5m	152,4m	2	0,77
19,1mm	RFN0.75	0,66mm	9,5mm	34,9mm	22,9m	76,2m	2	0,94

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



FEATURES

Material	Polyethylene Terephthalate
Grade	RFN
Monofilament Diameter	0,25mm
Drawing Number	TF001RFN-WD
Cutting	Hot Knife

COLORS



Clear (CL), Black (BK)

CERTIFICATIONS





ABRASION

Abrasion Resistance	LOW
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	71°F / 22°C
Humidity	54 %
Two Black PET Strands Broken & Six Breaks in Reflective Tracer	100 Test Cycles
Material Destroyed	350 Test Cycles
Pre-Test Weight	2 411,5 mg
Post-Test Weight	2 030,0 mg
Test End Loss Of Mass Point Of Destruction	381,5 mg

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	0,25mm
Flammability Rating	
Recommended Cutting	Hot Knife
Colors	2
Wall Thickness	0,66mm
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	NA
Specific Gravity (ASTM D-792)	1,38
Moisture Absorption % (ASTM D-570)	0,1 - 0,2%
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	NA
CVCM	NA
WVR	NA
Smoke D-Max (ASTM E-662)	NA
Outgassing	NA
Oxygen Index (ASTM D-2863)	NA

FLAMMABILITY

Rating	
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	446°F / 230°C
Maximum Continuous (Mil-I-23053)	257°F / 125°C
Minimum Continuous (Mil-I-23053)	-22°F / -30°C

CHEMICAL RESISTANCE

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

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

