



Polyester Expandable Sleeving
Standard and Flame-Retardant
Sycor Part Series – TIA
Standard: UL & CSA Rated
Flame-Retardant – UL & CSA Listed, VW-1

Description:

Flame Retardant expandable monofilament braided sleeveings are produced by braiding specially formulated PET (Polyester) monofilaments into a cylindrical sleeve. The product maintains an excellent chemical and fungus resistance while providing excellent mechanical properties. This weave allows for an expanded diameter of three times its original diameter.

Uses:

Expandable sleeving provides a tough, durable protection over tubing, hoses, cables, wire bundles, harnesses and flat ribbon cable. The open weave concept allows for dissipation of heat and moisture and also prevents condensation. It is ideal against most oils, fuels, cleaners, solvents and chemicals. This is a great product for use in machines, tools, robotics, automatic equipment and exposure to the elements.

Characteristics:

PROPERTY	TEST METHOD	STANDARD	FLAME-RETARDANT
Tensile Strength	ASTM D 876	100,000 psi	110,000 psi
Elongation	ASTM D 876	25%	25%
Gravity	ASTM D 792	1.31	1.31
Moisture Absorption	ASTM D 570	0.08%	0.08%
Shrinkage @ 180C	N/A	4.0%	4.2%
Max. Operating Temp.	UL 224	150C	150C
Melt Temperature	ASTM D 2117	250C	250C
Low Temp. Flexibility	MIL I 23053	"-70 C	"-70 C
Flammability	UL 224	Will Not Burn	VW-1/FR-1
Thermal Aging	ASTM D 3045 MIL STD 810	175C for 3 Hours	175C for 3 Hours
Fungus Resistance	(508)	No Growth	No Growth
Copper Corrosivity	MIL I 23053	No Effect	No Effect



Colours:

Standard: Black Only with Special Orders for alternative colours

Flame-Retardant: Black and White with/Opposite Colour Criss-Cross Tracer

Dimensions:

SIZE NOMINAL I.D	SIZE RANGE (INCHES)	APPROX. WEIGHT/MFT
1/8"	3/32" - 1/8"	1.9
1/4"	1/8" - 3/8"	2.7
3/8"	1/4" - 5/8"	5.5
1/2"	1/4" - 3/4"	7.5
3/4"	1/2" - 1 1/4"	12.5
1 1/4"	7/8" - 1 3/8"	15.9
1 1/2"	1" - 2"	19.6
1 3/4"	1 1/4" - 2 3/4"	26.3
2"	1 1/2" - 3 1/2"	34
2 1/2"	1 3/4" - 4 1/2"	46.5

Spool Sizes:

Available in 500 FT and 1000 FT spools. Sycor will cut your expando sleeving to custom lengths upon request.