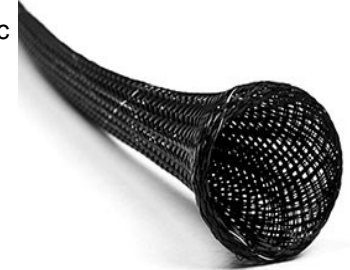


VIDAFLEX MONOFIL PE– Expandable Braided PET Sleevings

Applications

Vidaflex Monofil PE is used in motor vehicles for protection of hydraulic hoses, tubing and wiring harnesses and all other applications, especially where cables are connected to moving parts and are constantly flexed.

The open weave of the sleeving allows branch terminations through the sleeve wall, which greatly speeds up the manufacturing process. The material should be cut using a hot wire in excess of 250°C. This method bonds the ends of the monofilaments and prevents fraying.



Features and Benefits

Vidaflex Monofil PE is an expandable close weave sleeving, produced from braided PET-monofilaments.

The bore of Vidaflex Monofil PE sleeveings are expandable up to 300% and the particular advantage is the good retention of roundness.

Vidaflex Monofil PE sleeveings offer very good mechanical strength and also provide excellent resistance to salt water, oil, fuels and solvents. It is self-extinguishing and operates at temperatures within the range of -70°C to +150°C.

Typical Properties

Construction: Braided polyethylene terephthalate monofilaments

Operating Temperature Range: -70°C to +150°C

Melting Temperature: 250°C

Tensile Strength: 100,000 psi

Elongation: 20%

Specific Gravity: 1.31

Moisture Absorption after 24 hours: 0.08%

Shrinkage @ 180°C: 4%

Flammability Test, UL224: VW-1



Standard Dimensions

Bore Size	Wall Thickness	Approximate Weight g/m ²
mm	mm	
1.0 - 5.0	0.25	3.5
2.0 - 7.0	0.25	6
3.0 - 9.0	0.25	5
4.0 - 11.0	0.25	3.5
5.0 - 12.0	0.25	10
7.0 - 15.0	0.25	11.5
6.0 - 20.0	0.25	10.5
8.0 - 23.0	0.25	15
12.0 - 30.0	0.25	15.5
18.0 - 34.0	0.25	20.5
20.0 - 40.0	0.25	22.5
25.0 - 60.0	0.25	30