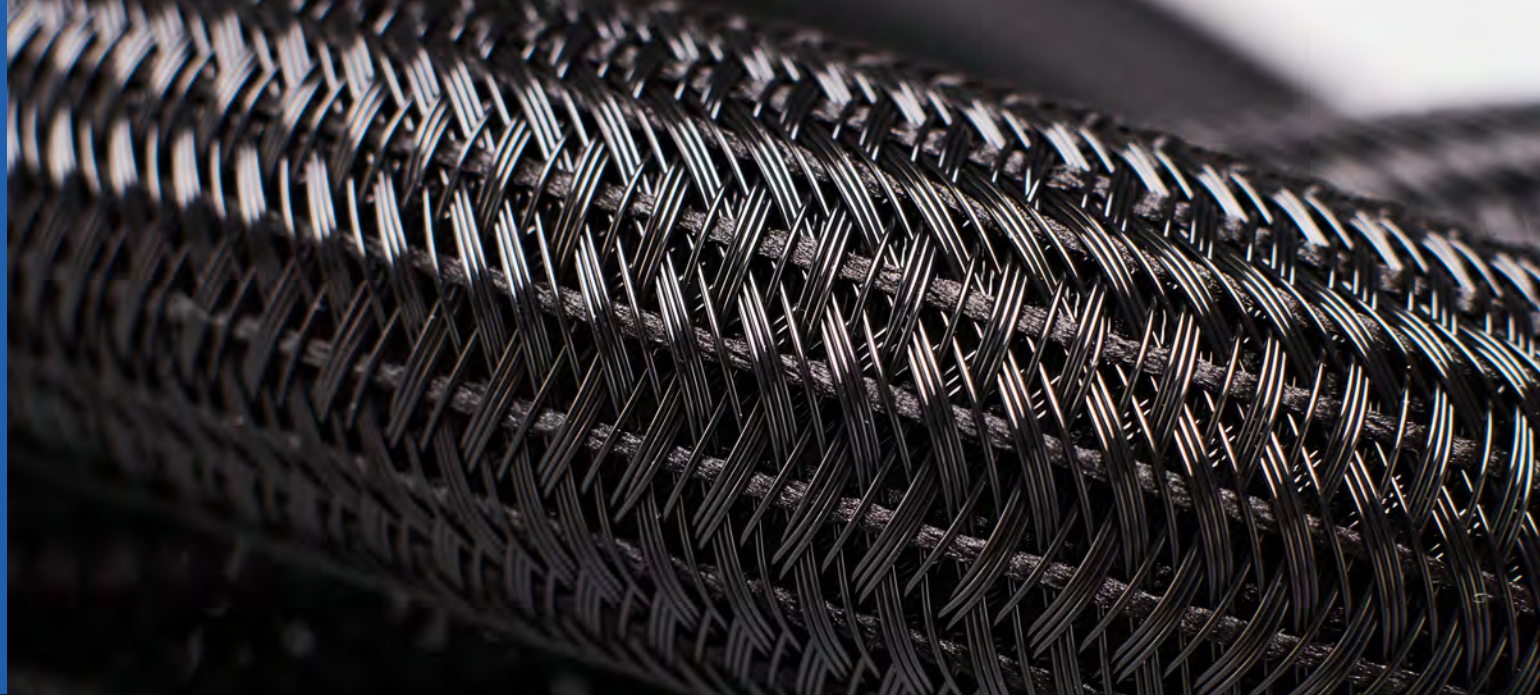


SELF-CLOSING PROTECTION

ENCLOSE® SB



Enclose® SB

PRODUCT HIGHLIGHTS



Operating Temperature
-70°C to 125°C



Abrasion Resistance



RoHS/REACH Compliant



Halogen Free



UL File #E118600

Atkins & Pearce's Enclose® SB is a semi-rigid split braid construction consisting of PET multifilament fibers. The self-closing properties of the sleeve can accommodate a range of bundle sizes and allows for easy installation without disassembly of existing wire harness. Enclose® SB can also bend with the wire harness without splitting.

Enclose® SB is rated 125°C and is formed into a "tubular" sleeving with built-in memory that causes the sleeve to "self-close" or "snap-back" after opening. The porous surface of Enclose® SB will not trap a moisture or heat, nor will it affect the flexibility of the wire harness itself

Below is a complete list of Atkins & Pearce's Enclose® SB parts. For more information or to discuss the use of Enclose® SB in your specific application, please contact our technical sales department by phone or email.

| SIZE | EXPANSION RATIO |
|------------|------------------------|
| 1/8 INCH | 3/32 INCH -- 1/4 INCH |
| 1/4 INCH | 1/8 INCH -- 3/8 INCH |
| 3/8 INCH | 1/4 INCH -- 5/8 INCH |
| 1/2 INCH | 3/8 INCH -- 3/4 INCH |
| 3/4 INCH | 3/8 INCH -- 1 INCH |
| 1 INCH | 1/2 INCH -- 1-1/4 INCH |
| 1-1/4 INCH | 5/8 INCH -- 1-1/2 INCH |
| 1-1/2 INCH | 7/8 INCH -- 1-3/4 INCH |
| 2 INCH | 1 INCH -- 2 INCH |

Atkins&Pearce

SELF-CLOSING PROTECTION

ENCLOSE® SB

Performance Metrics

| PROPERTY | TEST | RESULT |
|------------------------|------------------------|----------------------------|
| MONOFILAMENT DIAMETER | ASTM D-204 | 0.009 IN. |
| TENSILE STRENGTH | ASTM D-6612 | 1200 DENIER |
| SPECIFIC GRAVITY | ASTM D-792 | 1.38 |
| MOISTURE ABSORPTION | ASTM D-570 | 0.1% - 0.2% |
| FLAMMABILITY | FMVSS 302 | SELF EXTINGUISHING, TYPE B |
| | SAE J 369-89 | PASS |
| FLUID RESISTANCE | SAE J2 192 | 100% TENSILE RETENTION |
| | MIL-1-23053 | 100% TENSILE RETENTION |
| THERMAL OVERLOAD | ES-AC35-IA303-AA | PASS |
| LOW TEMP FLEXIBILITY | MIL-DTL-23053E | -70°C |
| HEAT AGE @ 168 HOURS | ES-AC35-1A303-AA | PASS |
| HEAT AGE @ 3,000 HOURS | | |
| ABRASION | SAE ARP 1536A | MIN 45,000 CYCLES |
| TML | ASTM E-595 @ 10-5 TORR | 0.19% |
| CVCM | | 0.00% |
| WVR | | 0.16% |

Chemical Resistance

| SOLVENTS | NO EFFECT | LITTLE EFFECT | MODERATE EFFECT | GREATER EFFECT | SEVERE EFFECT |
|----------------------|-----------|---------------|-----------------|----------------|---------------|
| ALIPHATIC SOLVENTS | 4 | 0 | 0 | 0 | 0 |
| AROMATIC SOLVENTS | 3 | 2 | 0 | 0 | 0 |
| CHLORINATED SOLVENTS | 3 | 2 | 1 | 1 | 0 |
| DE-ICING FLUID | 4 | 0 | 0 | 0 | 0 |
| ESTERS/KETONES | 4 | 0 | 0 | 0 | 0 |
| FUNGUS | 4 | 0 | 0 | 0 | 0 |
| HYDRAULIC FLUID | 4 | 0 | 0 | 0 | 0 |
| LUBE OIL | 4 | 0 | 0 | 0 | 0 |
| PETROLEUM | 4 | 0 | 0 | 0 | 0 |
| SALT WATER | 4 | 0 | 0 | 0 | 0 |
| SALTS | 4 | 0 | 0 | 0 | 0 |
| STRONG ACIDS | 3 | 2 | 1 | 1 | 0 |
| STRONG BASES | 3 | 2 | 0 | 0 | 0 |
| STRONG OXIDANTS | 3 | 2 | 0 | 0 | 0 |
| UV LIGHT | 4 | 0 | 0 | 0 | 0 |
| WEAK BASES | 4 | 0 | 0 | 0 | 0 |

Thermals

| MELT POINT | MAXIMUM CONTINUOUS |
|--------------------------------|--------------------|
| 482°F / 250°C | 257°F / 125°C |
| OPERATING TEMPERATURE | MINIMUM CONTINUOUS |
| -94°F / -70°C TO 257°F / 125°C | -94°F / -70°C |

Contact Us

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