

SELF-CLOSING PROTECTION

ENCLOSE®



Enclose®

PRODUCT HIGHLIGHTS



Operating Temperature
-70°C to 125°C



Abrasion Resistance



RoHS/REACH Compliant



Halogen Free



UL File #E118600

Atkins & Pearce's Enclose® is the ideal product for electrical wire harnessing as it is lightweight, tough, and easy to remove and re-install. The unique feature of the product is a seamed design that allows for installation over connectors or fittings and is perfect in applications where junctions and wire breakouts are inevitable.

Enclose® is rated to 125°C. and is a woven sleeve comprised of blended monofilament and multifilament fibers. Through a unique process, it is formed into a "tubular" sleeving with built-in memory that causes the sleeve to "self-close" or "snap-back" after opening. This product ensures bundle integrity and protects the wires from abrasion or trapped moisture.

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

SIZE	EXPANSION RATIO
1/8 INCH	1/16 INCH -- 3/16 INCH
3/16 INCH	1/8 INCH -- 1/4 INCH
1/4 INCH	3/16 INCH -- 5/16 INCH
5/16 INCH	1/4 INCH -- 3/8 INCH
3/8 INCH	5/16 INCH -- 1/2 INCH
1/2 INCH	3/8 INCH -- 5/8 INCH
5/8 INCH	1/2 INCH -- 3/4 INCH
3/4 INCH	5/8 INCH -- 1 INCH
1 INCH	3/4 INCH -- 1-1/8 INCH
1-1/8 INCH	1 INCH -- 1-1/4 INCH
1-1/4 INCH	1-1/8 INCH -- 1-1/2 INCH
1-1/2 INCH	1-1/4 INCH -- 1-3/4 INCH
1-3/4 INCH	1-1/2 INCH -- 2 INCH
2 INCH	1-3/4 INCH -- 2-1/4 INCH

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Performance Metrics

PROPERTY	TEST	RESULT
MONOFILAMENT DIAMETER	ASTM D-204	0.009 IN.
MULTIFILAMENT	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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