

EXPANDABLE SLEEVING

EXTENDO® PPS



Extendo® PPS

PRODUCT HIGHLIGHTS



Operating Temperature
-70°C to 200°C



RoHS/REACH Compliant



Self-Extinguishing



UL File #E118600

Atkins & Pearce's Extendo® PPS is a light-weight expandable sleeving ideal for high-temperature environments where resistance to diverse kinds of fuels or oils is required. Unique attributes make Extendo® PPS a logical choice for a wide range of uses within mass transit, automotive, and even aircraft industry.

Extendo® PPS is rated to 200°C and constructed from 0.008" Polyphenylene Sulfide (PPS), a self-extinguishing monofilament. The result is a unique protective solution with unmatched temperature resistance when compared with other high performance materials.

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

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

Atkins&Pearce

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Performance Metrics

PROPERTY	TEST	RESULT
MONOFILAMENT DIAMETER	ASTM D-204	0.008 IN.
TENSILE STRENGTH	ASTM D-2256	6.1 LBS
SPECIFIC GRAVITY	ASTM D-792	1.37
MOISTURE ABSORPTION	ASTM D-570	0.02%
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
LIMITING OXYGEN INDEX	ASTM D-2863	40
TML	ASTM E-595 @ 10-5 TORR	0.08%
CVCM		0.00%
WVR		0.04%

Chemical Resistance

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

Thermals

MELT POINT	545°F / 280°C	MAXIMUM CONTINUOUS	392°F / 200°C
OPERATING TEMPERATURE	-94°F / -70°C TO 392°F / 200°C	MINIMUM CONTINUOUS	-94°F / -70°C

Contact Us

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