

EXPANDABLE SLEEVING

EXTENDO[®] PET HD



Extendo[®] PET HD

PRODUCT HIGHLIGHTS



Operating Temperature
-70°C to 125°C



Abrasion Resistance



RoHS/REACH Compliant



Halogen Free



UL File #E118600

Atkins & Pearce's Extendo[®] PET HD is our most abrasion resistance standard sleeving available today. It has a unique open weave construction that provides excellent drainage, prevents condensation, and has proven in some application to dissipate heat and moisture. In addition to unsurpassed abrasion and cut resistance, Extendo[®] PET HD resists gasoline and all other common automotive fluids

Extendo[®] PET HD sleeving is rated to 125°C. Its unique construction of 0.015" PET monofilaments offer excellent coverage and supreme abrasion resistance.

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

SIZE	EXPANSION RATIO
3/8 INCH	3/16 INCH -- 3/4 INCH
5/8 INCH	5/16 INCH -- 7/8 INCH
1 INCH	1/2 INCH -- 1-1/2 INCH
1-1/2 INCH	3/4 INCH -- 2 INCH
2 INCH	1-1/2 INCH -- 3 INCH
3 INCH	2 INCH -- 4 INCH
4 INCH	2-1/2 INCH -- 5-1/2 INCH

Atkins&Pearce

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Performance Metrics

PROPERTY	TEST	RESULT
MONOFILAMENT DIAMETER	ASTM D-204	0.015 IN.
TENSILE STRENGTH	ASTM D-2256	10 LBS
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
SMOKE	ASTM E-662	56
LIMITING OXYGEN INDEX	ASTM D-2863	21
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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