

EXPANDABLE SLEEVING

# EXTENDO<sup>®</sup> PET FR



## Extendo<sup>®</sup> PET FR PRODUCT HIGHLIGHTS



Operating Temperature  
-70°C to 125°C



Abrasion Resistance



RoHS/REACH Compliant



Halogen Free

Atkins & Pearce's Extendo<sup>®</sup> PET FR has excellent abrasion and cut-through resistance. Extendo<sup>®</sup> PET FR sleeve provides a cost-effective solution for abrasion protection and is rated to 125°C. It is useful in a wide variety of applications such as: automotive, marine, heavy equipment, industrial, and electronic wire harness applications.

Extendo<sup>®</sup> PET FR is ideal for use where flame-retardant is required; available too in a Non-Fray construction.

Below is a complete list of Atkins & Pearce's Extendo<sup>®</sup> PET FR parts. For more information or to discuss the use of Extendo<sup>®</sup> PET FR 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	3/16 INCH -- 1/2 INCH
1/2 INCH	1/4 INCH -- 3/4 INCH
5/8 INCH	3/8 INCH -- 1 INCH
3/4 INCH	1/2 INCH -- 1-1/4 INCH
1 INCH	5/8 INCH -- 1-5/8 INCH
1-1/4 INCH	3/4 INCH -- 1-3/4 INCH
1-1/2 INCH	1 INCH -- 2-1/8 INCH
1-3/4 INCH	1-1/4 INCH -- 2-3/4 INCH
2 INCH	1-1/2 INCH -- 3-1/2 INCH
2-1/2 INCH	1-3/4 INCH -- 3-5/8 INCH
3 INCH	2 INCH -- 4-3/4 INCH
3-1/2 INCH	2-1/4 INCH -- 5 INCH

**Atkins & Pearce**

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## Performance Metrics

PROPERTY	TEST	RESULT
MONOFILAMENT DIAMETER	ASTM D-204	0.010 IN.
TENSILE STRENGTH	ASTM D-2256	5 LBS
SPECIFIC GRAVITY	ASTM D-792	1.38
MOISTURE ABSORPTION	ASTM D-570	0.1% - 0.2%
FLAMMABILITY	UL 1441	VW-1 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
ABRASION	SAE ARP 1536A	MIN 45,000 CYCLES
SMOKE	ASTM E-662	275
LIMITING OXYGEN INDEX	ASTM D-2863	31
TML	ASTM E-595 @ 10-5 TORR	0.19%
CVCM		0.04%
WVR		0.06%

## 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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