

EXPANDABLE SLEEVING

# EXTENDO<sup>®</sup> PET NF



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



Operating Temperature  
-70°C to 125°C



Abrasion Resistance



RoHS/REACH Compliant



Halogen Free



UL File #E118600

Atkins & Pearce's Extendo<sup>®</sup> PET NF is an expandable sleeving constructed from 0.009" polythylene terephthalate (PET) monofilaments. Its one-of-a-kind construction creates an exceptional fray-resistant uncoated sleeving. It is designed to be cut with scissors which results in a clean-cut without dust, flaking, or powder. Like all PET sleeveings, this has excellent resistance to gasoline and common automotive fluids.

Extendo<sup>®</sup> PET NF sleeve is rated to 125°C and is ideal for use in the design of automotive protection systems.

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

SIZE	EXPANSION RATIO
1/8 INCH	1/8 INCH -- 1/4 INCH
1/4 INCH	5/32 INCH -- 7/16 INCH
3/8 INCH	3/16 INCH -- 5/8 INCH
1/2 INCH	1/4 INCH -- 3/4 INCH
3/4 INCH	5/8 INCH -- 1 INCH
1 INCH	3/4 INCH -- 1-3/16 INCH
1-1/4 INCH	1 INCH -- 1-1/2 INCH
1-1/2 INCH	1-1/4 INCH -- 2 INCH

**Atkins&Pearce**

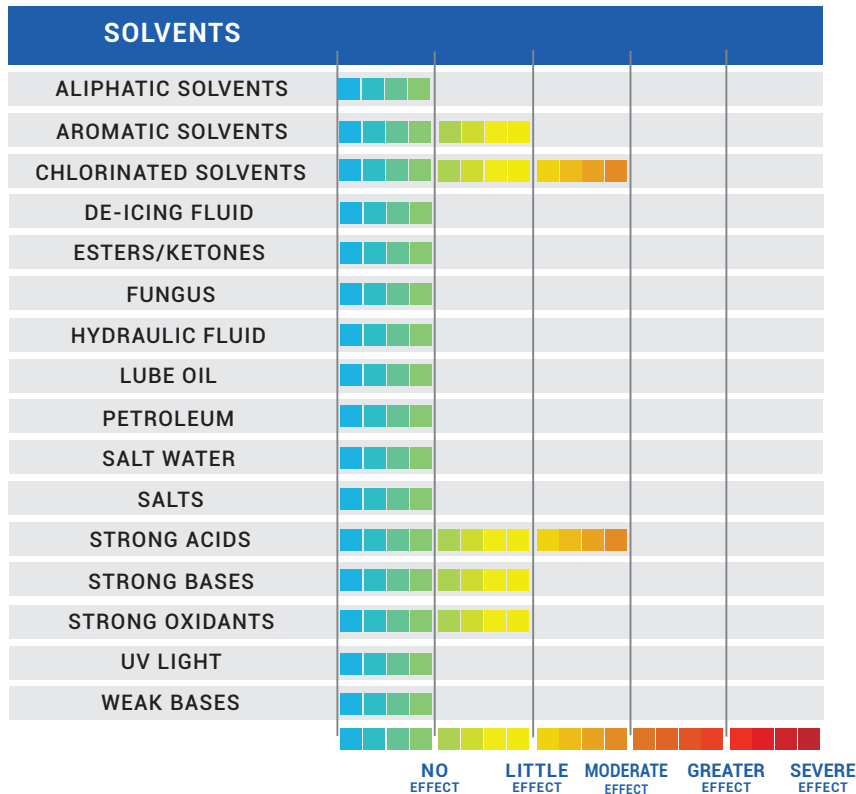
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## Performance Metrics

PROPERTY	TEST	RESULT
MONOFILAMENT DIAMETER	ASTM D-204	0.009 IN.
TENSILE STRENGTH	ASTM D-2256	6 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



## 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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