

EXPANDABLE SLEEVING

EXTENDO[®] PET FR NF

Extendo[®] PET FR NF PRODUCT HIGHLIGHTS



Operating Temperature
-70°C to 125°C



Abrasion Resistance



RoHS/REACH Compliant



Halogen Free



Non-Fray; No Hot-Knife
Cutting Needed

Atkins & Pearce's Extendo[®] PET FR NF is an expandable sleeving constructed from 0.22" polyethylene terephthalate (PET) monofilaments. Its unique 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[®] PET FR 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[®] PET FR NF parts. For more information or to discuss the use of Extendo[®] PET FR 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

EXPANDABLE SLEEVING

EXTENDO[®] PET FR NF

Performance Metrics

PROPERTY	TEST	RESULT
MONOFILAMENT DIAMETER	ASTM D-204	0.009 IN.
TENSILE STRENGTH	ASTM D-2256	4 LBS
SPECIFIC GRAVITY	ASTM D-792	1.38
MOISTURE ABSORPTION	ASTM D-570	0.1% - 0.2%
FLAMMABILITY	SAE J 369-89	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	3	2	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

1.800.837.7477 | info@atkinsandpearce.com
www.atkinsandpearce.com

One Braid Way, Covington, KY 41017
 United States of America

