

EXPANDABLE BRAIDED SLEEVING

# MONOFLEX® PET FR NF



## Monoflex® PET FR NF PRODUCT HIGHLIGHTS



**Maximum Operating  
Temperature: 125°C**



**Flame Retardant**



**Scissor Cut Ready  
(Non-Fray)**



**RoHS/REACH Compliant**



**Halogen Free**

**Atkins & Pearce's Monoflex® PET FR NF** is a unique combination of our PET FR and PET NF sleeveings. This flame-retardant and non-fray sleeving is universally known for having excellent abrasion resistance and is durable against heat operating up to 125°C. Monoflex® PET FR NF's non-fray properties makes it an ideal solution for applications without access to a hot knife as it cuts easily and cleanly with ordinary scissors. The cut end allows for frequent expansion without unraveling or fraying. The particular design and expandability allows for simple and efficient installation over connectors. It is relied on in a wide variety of applications such as: automotive, marine, heavy equipment, industrial, and electronic wire harness applications.

Monoflex® PET FR NF is available in a couple of colors to assist in special identification for safety and other needs. Below is a complete list of the standard sizes we offer in this sleeving. Additionally, cut lengths are available upon request.

NOMINAL ID	MAX EXPANSION	WALL THICKNESS
1/8 inch	1/4 inch	0.025 inch
1/4 inch	3/8 inch	0.025 inch
3/8 inch	5/8 inch	0.025 inch
1/2 inch	3/4 inch	0.025 inch
3/4 inch	1-1/4 inch	0.025 inch
1 inch	1-1/2 inch	0.025 inch
1-1/4 inch	1-3/4 inch	0.025 inch
1-1/2 inch	2 inch	0.025 inch

For additional information on Monoflex® PET FR NF's features and color offerings please contact our Sales & Marketing Team via phone or email at the addresses below.

**Atkins&Pearce**

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1.800.837.7477 | [info@atkinsandpearce.com](mailto:info@atkinsandpearce.com) | [www.atkinsandpearce.com](http://www.atkinsandpearce.com)

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# MONOFLEX<sup>®</sup> PET FR NF

## Performance Metrics

PROPERTY (TEST)	RESULT
Abrasion (ASTM D-4060)	8,500 cycles
Low Temperature Flexibility (below freezing)	No cracking or deformation

## Thermals

MAX OPERATING TEMPERATURE	MELTING POINT
125°C / 257°F	230°C - 260°C / 446°F - 500°F

## Chemical Resistance

	Poor	Fair	Good	Excellent
Degradation by Alcohols				
Degradation by Alkali				
Degradation by Hydrocarbons				
Degradation by Ketones				
Degradation by Organic Acids				
Degradation by Strong Acids				
Degradation by UV Light				

## Monofilament Properties

### SINGLE-STRAND DIAMETER

0.09 inch

### DENSITY

1.38 g/cc

### SINGLE-STRAND TENSILE STRENGTH

5 lbs.

### MOISTURE ABSORPTION

0.20%



### CONTACT US!

Our manufacturing facility and office is centrally located in northern Kentucky.



**Atkins&Pearce**

One Braid Way, Covington, KY 41017 USA

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**LAST REVISED: April 2023** | The suggested application is provided by Atkins & Pearce merely as an additional tool to assist in making an appropriate selection. This is only provided to serve as suggestions of sleeving that may be appropriate based on certain criteria and should not be relied upon as determinative or as a substitute for customer testing. Many variables exist in a sleeve's flexibilities, resistances, and treatment. Final product selection should always be confirmed through the customer's own testing process to determine if a specific product is the correct choice for a particular application. Atkins & Pearce is not responsible for selections made by the customer using any of the reference material provided. For optimal performance in specific systems, we strongly recommend that customers conduct exhaustive tests in their own lab and consider retaining samples for their future internal reference. The importance of product testing and data validation cannot be overstated. As the customer, you and your company are responsible for appropriately testing all Atkins & Pearce product used in your application and for making the final selection based upon meeting appropriate safety and electrical standards. Atkins & Pearce makes no representation or warranty, expressed or implied, at law or in equity, in respect of the information provided, including, without limitation, with respect to merchantability or fitness for any particular purpose, which representations or warranties are hereby expressly disclaimed.