

EXPANDABLE BRAIDED SLEEVING

# MONOFLEX<sup>®</sup> PFA



## Monoflex<sup>®</sup> PFA PRODUCT HIGHLIGHTS



Maximum Operating  
Temperature: 260°C



Abrasion Resistance



RoHS/REACH Compliant



Halogen Free



Excellent Chemical  
Resistance

Atkins & Pearce's Monoflex<sup>®</sup> PFA is made of perfluoroalkoxy alkane (PFA) and has low moisture absorption. It's excellent chemical resistance to several common fluids and UV light makes it ideal for high-temperature applications. This self-extinguishing sleeving is rated to 260°C / 500°F and will not support combustion in air. Monoflex<sup>®</sup> PFA has high impact strength and high lubricity.

Monoflex<sup>®</sup> PFA 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	0.045 inch
1/4 inch	3/8 inch	0.045 inch
5/16 inch	3/4 inch	0.045 inch
3/8 inch	7/8 inch	0.045 inch
1/2 inch	1 inch	0.045 inch
3/4 inch	1-1/4 inch	0.045 inch
1-1/4 inch	1-1/2 inch	0.045 inch
1-3/4 inch	2-1/8 inch	0.045 inch
2 inch	2-3/4 inch	0.045 inch

For additional information on Monoflex<sup>®</sup> PFA's features and color offerings please contact our Sales & Marketing Team via phone or email at the addresses below.

**Atkins&Pearce**

One Braid Way, Covington, KY 41017 USA  
1.800.837.7477 | [info@atkinsandpearce.com](mailto:info@atkinsandpearce.com) | [www.atkinsandpearce.com](http://www.atkinsandpearce.com)

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## Performance Metrics

PROPERTY (TEST)	RESULT
Hardness, Shore D (ASTM D-2240)	55 - 60
Limiting Oxygen Index (ASTM D-2863)	≥ 95%
Low Temperature Flexibility (below freezing)	No cracking or deformation

## Thermals

MAX OPERATING TEMPERATURE	MELTING POINT
260°C / 500°F	300°C - 310°C / 572°F - 590°F

## Chemical Resistance

	Poor	Fair	Good	Excellent
Degradation by Alcohols	Red	Orange	Yellow	Green
Degradation by Alkali	Red	Orange	Yellow	Green
Degradation by Hydrocarbons	Red	Orange	Yellow	Green
Degradation by Ketones	Red	Orange	Yellow	Green
Degradation by Organic Acids	Red	Orange	Yellow	Green
Degradation by Strong Acids	Red	Orange	Yellow	Green
Degradation by UV Light	Red	Orange	Yellow	Green

## Monofilament Properties

### SINGLE-STRAND DIAMETER

0.016 inch

### DENSITY

2.15 g/cc

### SINGLE-STRAND TENSILE STRENGTH

5 lbs.

### MOISTURE ABSORPTION

< 0.03%



### CONTACT US!

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



## Atkins&Pearce

One Braid Way, Covington, KY 41017 USA

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

**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.