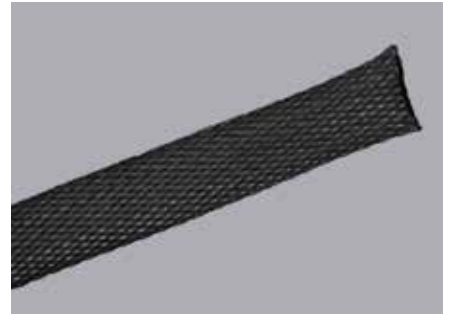


EXPANDABLE BRAIDED SLEEVING

MONOFLEX® PPS



Monoflex® PPS PRODUCT HIGHLIGHTS



**Maximum Operating
Temperature: 150°C**



Abrasion Resistance



RoHS/REACH Compliant



Halogen Free



Flame Resistant

Atkins & Pearce's Monoflex® PPS is a lightweight expandable sleeving constructed from 0.008" Polyphenylene Sulfide (PPS), a self-extinguishing monofilament. It has low moisture absorption and high chemical resistance especially with alcohols and organic acids. This sleeving does well in high temperature applications as PPS is a naturally flame resistant material and is rated to 150°C. Monoflex® PPS is heavily relied on in a wide range of applications within mass transit, automotive, and aircraft industries.

Monoflex® PPS 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	0.018 inch
1/4 inch	3/8 inch	0.018 inch
3/8 inch	1/2 inch	0.018 inch
1/2 inch	3/4 inch	0.018 inch
3/4 inch	1 inch	0.018 inch

For additional information on Monoflex® PPS'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 | www.atkinsandpearce.com

EXPANDABLE BRAIDED SLEEVING

MONOFLEX[®] PPS

Performance Metrics

PROPERTY (TEST)	RESULT
Abrasion (ASTM D-4060)	2,000 cycles
Heat Age @ 168 Hours (ASTM D-3045)	No cracking, melting, or deformation
Low Temperature Flexibility (below freezing)	No cracking or deformation

Thermals

MAX OPERATING TEMPERATURE	MELTING POINT
150°C / 302°F	275°C - 285°C / 527°F - 545°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

0.008 inch

DENSITY

1.3 - 1.4 g/cc

SINGLE-STRAND TENSILE STRENGTH

16.5 lbs.

MOISTURE ABSORPTION

0.03%



CONTACT US!

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



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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.