



ABRASION/MECHANICAL

ROUNDIT® PPS

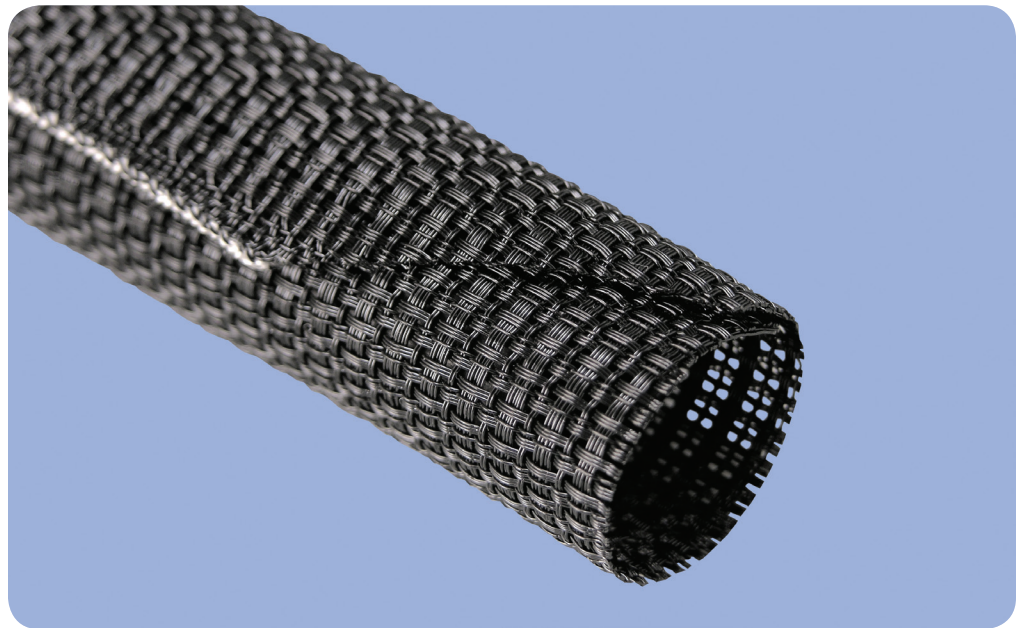
Product Highlights

- Operating temperature from -60°C to +175°C (-76°F to +347°F)
- ABS 1552
- C20979
- F.A.R. Part 25
- Excellent cut-through and abrasion resistance
- Self-wrapping design
- Halogen-free
- Ideal for reworking components and breakouts
- Lightweight construction
- Aesthetic solution
- Does not trap heat or humidity



Our manufacturing sites are certified ISO 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

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ROUNDIT® PPS is a self-wrapping sleeve manufactured from polyphenylene sulfide (PPS) monofilaments. This product offers excellent off-gassing properties and does not absorb or trap moisture making it ideal for use in space applications. The design allows for quick and easy installation and removal for the assembly, maintenance and inspection of wire harnesses and cable assemblies.

ROUNDIT PPS is available in sizes from 1/4" to 1-1/2" (5 mm to 38 mm) to cover a wide range of cable and wire diameters.



As an added benefit, the patented ROUNDIT® Tool will help improve installation time and is designed to install ROUNDIT® products on cable and wire configurations.

BentleyHarris®
Protection Products

Performance Data – ROUNDIT® PPS

Property	Test Method	Result
PHYSICAL		
Operating temperature range	EN 6053-302	-60°C to +175°C (-76°F to +347°F)
Low Temperature Flexibility	MIL-DTL-23053E	-70°C
Flammability/smoke density/toxicity	ABD 031 & FAR 25 § 853	Conforms – no halogen content
MECHANICAL		
Abrasion resistance	EN 6059 Part 403	Pass
Dynamic cut-through	EN 6059 Part 405	Pass
Vibrations	DO 160B	No cable abrasion
Hard Vacuum	ASTM E-595	Meets industry limits
TML		1.0% max
CVCN		0.1% max
CHEMICAL		
Fluid Resistance	MIL-DTL-23053E	
Jet Fuel JP-4 (Otan F44)		Good resistance
Hydraulic Fluid (Skydrol 500 B4)		Good resistance
Mineral Oil (MIL-L-7870A)		Good resistance
Synthetic Oil (MIL-L-23699)		Good resistance
Cleaning Fluids (MIL-L-87936)		Good resistance
De-icing Fluid (MIL-A-8243)		Good resistance
5% NaCl Solution		Good resistance
Mold Growth	EN 6049 Part 306	Pass

Product Specifications

Commercial Part Number	Recommended Application Range mm (in)		Max Weight g/m (lbs/ft)	Standard Packaging m (ft)
	Min Ø	Max Ø		
ROUNDIT PPS 5-0/9	1 (1/32")	5 (3/16")	13.0 (0.009)	150 (492)
ROUNDIT PPS 8-0/9	5 (3/16")	8 (5/16")	17.0 (0.011)	100 (328)
ROUNDIT PPS 13-0/9	8 (5/16")	13 (1/2")	25.0 (0.017)	50 (164)
ROUNDIT PPS 19-0/9	13 (1/2")	19 (3/4")	40.0 (0.027)	25 (82)
ROUNDIT PPS 25-0/9	19 (3/4")	25 (1")	49.0 (0.033)	25 (82)
ROUNDIT PPS 32-0/9	25 (1")	32 (1-1/4")	68.0 (0.046)	25 (82)
ROUNDIT PPS 38-0/9	32 (1-1/4")	38 (1-1/2")	85.0 (0.057)	25 (82)

Part Numbering System

Example	Product Name	Size	Color	Quantity
	ROUNDIT PPS	5	0/9 (black with white tracer)	150m

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