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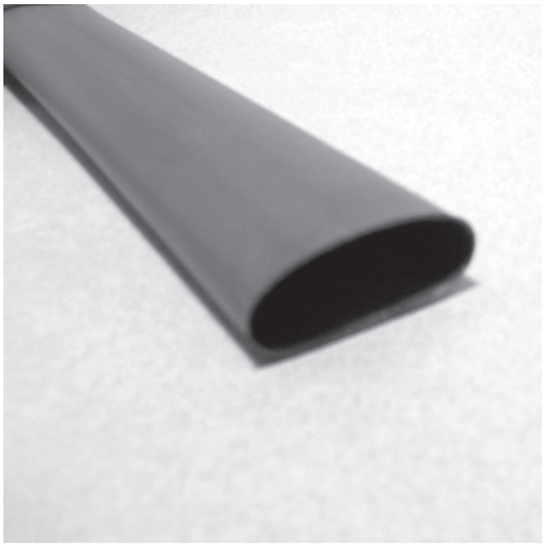
PENN-SHRINK BLACK THIN WALL - TYPE PSBT

Highly flame-retardant, very flexible, low-shrink-temperature polyolefin tubing



Applications

Cost-effective choice for many commercial and military applications. Electrically insulates and protects in-line components, disconnect terminals, and splices. Bundles wires for very flexible light-duty harnesses. Strain-relieves electrical wire connections for commercial applications.

Operating Temperature Range

-55°C to 135°C

Features/Benefits

- 2:1 shrink ratio.
- Low shrink temperature reduces installation time and the risk of damage to temperature-sensitive components.
- Very flexible; doesn't easily wrinkle when bent.
- Highly flame-retardant.
- Hot stamps extremely well.
- Higher temperature rating, better thermal stability, and higher resistance to physical abuse than noncrosslinked materials.
- Free of polybrominated biphenyis (PBBs) and polybrominated biphenyl oxides and ethers (PBBOs and PBBEs), which are classified as environmentally hazardous substances.
- Improved heat aging properties to meet the new requirements of UL 224 VW-1 TESTING.
- Improved fluid resistance to offer higher performance in fuels and oil exposure.
- Improved column strength to allow easier installation over components.
- Enhanced flame retardance to meet the requirements of UL 224 VW-1 testing in the newly revised UL test chamber.
- UL 224 VW-1/CSA OFT Tubing Specifications and Flammability Testing.

Installation

Minimum shrink temperature: 70°C
Minimum full recovery temperature: 90°C

Specifications/Approvals

Series	UL 224 VW-1	CSA VW-1	Military
PSBT		(OFT)	SAE-AMS-DTL-23053/5
	600 V, 125°C	600 V, 125°C	*Formerly MIL-I-23053/5.

Production Dimensions Inches

Part Number	Size	Length (Inches)	Inside diameter		Wall thickness Recovered after heating**
			Minimum expanded as supplied	Maximum recovered after heating	
PSBT14FR-6	1/4	6	.250	.125	.025
PSBT14FR-48	1/4	48	.250	.125	.025
PSBT12FR-6	1/2	6	.500	.250	.025
PSBT12FR-48	1/2	48	.500	.250	.025
PSBT34FR-6	3/4	6	.750	.375	.030
PSBT34FR-48	3/4	48	.750	.375	.030
PSBT100FR-6	1	6	1.000	.500	.035
PSBT100FR-48	1	48	1.000	.500	.035
PSBT112FR-6	1-1/2	6	1.500	.750	.040
PSBT112FR-48	1-1/2	48	1.500	.750	.040
PSBT200FR-6	2	6	2.000	1.00	.045
PSBT200FR-48	2	48	2.000	1.00	.045

**Wall thickness will be less if tubing recovery is restricted during shrinkage.

Ordering Information

Size selection: Always order the largest size that will shrink snugly over the component to be covered.
Users should independently evaluate the suitability of the product for their application.

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