Heat Shrink Tubing





RoHS Compliant

Description

The PHD series is a flexible, polyolefin, thin wall tubing which offers the advantages of an integral adhesive lining. Provides excellent environmental protection for electronic components.

Typical Properties

Physical

Tensile Strength : 2,100 PSI
Ultimate Elongation : 450%
Longitudinal Change : +1%, -5%
Secant Modulus (2%) : 17,000 PSI
*Heat Aging : Elongation 175%

(168 hrs @ 175°C)

*Heat Shock : No dripping, cracking, or flowing

(4 hrs @ 250°C)

*Low Temp Flexibility : No cracking

(4 hrs @ -55°C)

**Flexibility 3 Shrinkage : 2:1

Shrink Temp : 121°C (250°F)

Operating Temp : -55°C to 100°C (-67°F to 212°F)

Electrical

Dielectric Strength : 800V/MilVolume Resistivity : $10^{14}\Omega$ -cm

Chemical

Corrosion Effect : Non-Corrosive

Water Absorption : 0.3%

Fungus Resistance : Non-nutrient
Fluid Resistance : Excellent

Applicable Specifications : MIL-DTL-23053/4 Class 2

Adhesive

Peel Strength, pli

Polyethylene 30
PVC 10
Lead 15
Aluminium 40

Corrosive Effect (Copper Mirror) Non-corrosive

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^{*}Outer wall only.

^{**} Flexibility: The materials are rated on a scale of typical product data and should not be used for specifications purposes. Unless otherwise noted, all tests are performed at room temperature.

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Part Number Table

Description	Dimensions				Standard Packages (Colour: Black)					
			Recovered I.D. (Max.) (Inch)	Recovered Nominal Wall Thickness (Inch)	4 Foot Lengths (+1, -0)			6 Inch Lengths (± 0.125)		
	Size (Inch)	Expanded I.D. (Min.) (Inch)			Part Number	Qty	Total Footage (Feet)	Part Number	Qty	Total Footage (Feet)
PHD Series-Flame Retardant, Adhesive- Lined Tubing	1/8	0.125	0.063	0.27	PHD-008-4025-BLK	25	100	PHD-008-6028-BLK	28	14
	3/16	0.187	0.093		PHD-012-4025-BLK			PHD-012-6024-BLK	24	12
	1/4	0.250	0.125	0.3	PHD-016-4025-BLK			PHD-016-6020-BLK	20	10
	3/8	0.375	0.187	0.31	PHD-024-4025-BLK			PHD-024-6016-BLK	16	8
	1/2	0.5	0.250	0.32	PHD-032-4005-BLK	5	20	PHD-032-6014-BLK	14	7
	3/4	0.75	0.375	0.37	PHD-048-4005-BLK			PHD-048-6012-BLK	12	6
	1	1	0.5	0.46	PHD-064-4005-BLK			PHD-064-6008-BLK	8	4
	1 1/2	1.5	0.75	0.49	PHD-096-4005-BLK			PHD-096-6005-BLK	5	2.5
	2	2	1	0.6	PHD-128-4002-BLK	2	8	PHD-128-6002-BLK	2	1

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