

Part Number CB-PET

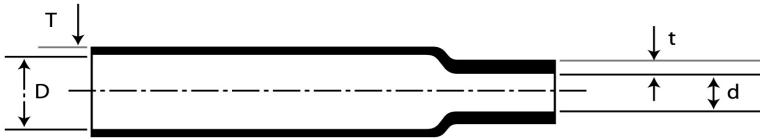
Header CB-PET 2x PET Heat-Shrinkable Film

Description CB-PET is flexible, halogen-free, environmentally friendly tubing that provides protection up to 125°C. CB-PET is UL 224 and RoHS compliant and comes in a variety of colors and sizes.

Agency Approval & Compliance ROHS, Halogen Free, Flame Retardant, REACH, UL94V-0

Application CB-PET is widely used in packaging applications like batteries, coil windings, capacitors and fluorescent light bulb encapsulation and as a protective sleeving in wirn for cars, computers optical fiber cables and speaker wire.

Shrink Ratio and Operating Temperature CB-PET is available in a 2:1 shrink ratio. When fully recovered, the 2:1 material will shrink to one half (50%) of its original supplied diameter. The tubing's wall thickness will also change proportionally to the degree of recovery. Operating temperature range is from -40 degree C to 130 degrees C (-40 degrees F to 266 degrees F) and the minimum shrink temperature is 100 degree C (212 degrees F)

Standard Sizes and Dimension


Size	Width (mm)	Thickness (mm)	Shrink Ratio (%)	Longitudinal ratio (%)	Longitudinal ratio (180±2) °C x15 min
Ø3	5.5±0.2	0.08±0.02	48±4	8±3	12±3
φ4	7.1±0.2	0.08±0.02	48±4	8±3	12±3
φ5	9.10±0.2	0.08±0.02	48±4	8±3	12±3
φ6	10.6±0.2	0.08±0.02	48±4	8±3	12±3
φ6.3	11.0±0.2	0.08±0.02	48±4	8±3	12±3
φ8	14.0±0.2	0.09±1.0	48±4	8±3	12±3
φ10	17.0±0.2	0.09±1.0	48±4	8±3	12±3
φ12	20.4±0.3	0.10±0.02	48±4	8±3	12±3
φ12.5	21.5±0.3	0.10±0.02	48±4	8±3	12±3
φ13	22.0±0.3	0.10±0.02	48±4	8±3	12±3
φ13.5	22.6±0.3	0.10±0.02	48±4	8±3	12±3
φ14.5	24.2±0.3	0.10±0.02	48±4	8±3	12±3
φ16	26.7±0.3	0.11±0.02	48±4	8±3	12±3
φ18	29.8±0.3	0.11±0.02	48±4	8±3	12±3
φ20	32.9±0.3	0.11±0.02	48±4	8±3	12±3
φ22	36.3±0.3	0.11±0.02	48±4	8±3	12±3
φ25	41.3±0.3	0.12±0.03	48±4	8±3	12±3
φ30	49.0±0.3	0.12±0.03	48±4	8±3	12±3

φ35	56.6±0.3	0.12±0.03	48±4	12±3	12±3
Φ40	65.0±0.3	0.12±0.03	45±5	12±3	12±3
Φ42	68.5±0.3	0.12±0.03	45±5	12±3	12±3
Φ45	72.0±0.3	0.12±0.03	45±5	12±3	12±3
Φ48	77.6±1.0	0.12±0.03	45±5	12±3	12±3
Φ50	84.0±1.0	0.12±0.03	45±5	12±3	12±3
Φ52	88.5±1.0	0.12±0.03	45±5	12±3	12±3
Φ60	96.0±1.0	0.12±0.03	45±5	12±3	12±3
Φ63.5	105.0±1.0	0.12±0.03	45±5	12±3	12±3

Specifications

Item	Specifications
Appearance	No Pollution
Appearance (No-melting material) mm ²	≤0.7
Bend (280mm)	At or above size 8.0mm < 3.0 At or under size 10.0mm < 3.5
Shrink Temperature (°C)	100 (212°F)
Temperature Range (°C)	-40°C — +130°C
Gravity (Kg/L)	1.3-1.4
Tensile Strength (N/m ²)	5.0*10 ⁷ ---10.0*10 ⁷
Ultimate Elongation (%)	200---350
Tensile Strength (M/mm)	100-300
Absorption (water) %	< 2.0%
Dielectric Strength (kV/mm)	> 80
Surface Resistivity (Ω)	> 10 ⁹
Volume Resistivity (Ω.cm)	> 10 ¹⁴
Operating Temperature Range (°C)	-40°C + 130°C

Availability hundred-foot reels

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