

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.

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 125 degrees C (-40 degrees F to 257 degrees F) and the **minimum shrink temperature is 100 degree C (212 degrees F)**

Standard Sizes and Dimension



Size	Width (mm)	Thickness (x0.01mm)	Shrink Ratio (%)	Longitudinal ratio (%)	Longitudinal ratio (180±2) °C x 15 min
φ4	7.1±0.2	8.0±1.0	48±2	8±2	12±3
φ5	9.1±0.2	8.0±1.0	48±2	8±2	12±3
φ6	10.6±0.2	8.0±1.0	48±2	8±2	12±3
φ6.3	11.0±0.2	8.0±1.0	48±2	8±2	12±3
φ8	14.0±0.2	10.0±1.0	48±2	8±2	12±3
φ10	17.0±0.2	10.0±1.0	48±2	8±2	12±3
φ13	22.0±0.3	10.0±1.0	48±2	8±2	12±3
φ14.8	25.0±0.3	10.5±1.5	48±2	8±2	12±3
φ16	27.1±0.3	10.5±1.5	48±2	8±2	12±3
φ18	30.2±0.3	10.5±1.5	48±2	8±2	12±3
φ22	36.3±0.3	11.0±2.0	48±2	8±2	12±3
φ25	41.3±0.3	11.0±2.0	48±2	8±2	12±3
φ30	49.0±0.3	11.0±2.0	48±2	8±2	12±3
φ35	56.6±0.3	11.0±2.0	48±2	8±2	12±3

Specifications

Item	Specifications
Appearance	Without feculence
Bend (280mm)	At or above size 8.0mm < 3.0 At or under size 10.0mm < 3.5
Shrink Temperature (°C)	
Temperature Range (°C)	-40°C — +130°C
Radial Shrinking Ratio (%)	
Longitudinal Change (%)	

Tensile Strength (N/m ²)	5.0*10 ⁷ ---10.0*10 ⁷
Ultimate Elongation (%)	50---350
Aging in Circulating-air Oven	
Tensile Strength (MPa) - After Aging	
Ultimate Elongation (%) - After Aging	
Dielectric Voltage Withstand (V)	
Resistivity (Ω)	> 10 ⁹
Volume Resistivity (Ω.cm)	> 10 ¹⁴
Dielectric Voltage (V) AC	
Dielectric Strength (kV/mm)	> 10
Flammability	
Concentricity (%)	
Heat Shock	
Cold Shock	
Longitudinal shrinkage	
Radial Shrinkage	
Copper Corrosion	
Density Kg/L	1.2—1.5
Absorption (water) %	< 2.0%

Availability hundred-foot reels

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