

# CBK

Designed to environmentally seal electronic wire harness assemblies

## Features

- Very high shrink ratio
- Special adhesive flows readily during installation to fill voids
- Resistant to acids, alkalis and gasoline
- Continuous Operating Temperature: -55°C to 125°C
- Shrink Temperature: 120°C



## Dimensions

EXPANDED		RECOVERED				DELIVERY UNITS		
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS OVERALL (NOM) w	WALL THICKNESS ADHESIVE (NOM) w	Black & Clear Spool Length Style*		Lengths 1.22 m	
mm	IN	mm	mm	mm	m		pcs.	
6,0	-	1,4	1,35	0,95	300	o	-	
8,0	-	1,6	1,75	0,95	150	o	-	
12,0	-	2,5	2,00	1,10	100	o	-	
18,0	-	3,7	2,60	1,50	50	o	-	

\* o = airfilled or oval      - = flattened

## Technical Data

### Physical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Tensile Strength	IEC 60684-2	17,0 MPa	15,0 MPa
Elongation	IEC 60684-2	500%	400%
Longitudinal Change	ASTM-D 2671	± 10% max.	± 10% max.
Specific Gravity	ASTM-D 792, A-I	1,25 g/cm <sup>3</sup>	1,20 g/cm <sup>3</sup>
Elongation after Heat Aging (168 hrs at 160°C)	IEC 811-1-2	320%	400%
Tensile Strength after Heat Aging (168 hrs at 160°C)	IEC 811-1-2	12 MPa	14 MPa
Elongation after Heat Shock (4 hrs at 210°C)	IEC 811-1-2	360%	370%
Tensile Strength after Heat Shock (4 hrs at 210°C)	IEC 811-1-2	14 MPa	15 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	does not break at -30°C	does not break at -30°C
Flammability	ASTM-D 876 (coloured) FMVSS 302 (clear)	flame retardant jacket	passed

Standard Colours		Special Colours	
black	clear	On Request	

### Electrical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Dielectric Strength	VDE 0303 Part 2	18 kV/mm	20 kV/mm
Volume Resistivity	VDE 0303 Part 3	10 <sup>14</sup> Ω x cm	10 <sup>14</sup> Ω x cm

### Chemical

Property	Test Method	Typical Performance coloured	Typical Performance clear
Corrosive Action	ASTM-D 2671 Meth. A	non-corrosive	non-corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	non-corrosive	non-corrosive
Chemical Resistance		very good	very good
Water Absorption	VDE 0472	0,50%	0,50%

Printability	Hot stamp	Ink jet	Offset
	very good	-	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit  
For example: CBK 12,0mm black, 3.500 mtr., 100m-spool