



## HBDJ-125G (3.5X)

### Flame Retardant Heavy Wall Adhesive-lined Heat Shrink Tubing



#### Description

Flame Retardant Heavy Wall Adhesive-lined Heat Shrink Tubing is a polyolefin tube extruded with a layer of hot melt adhesive as the inner layer. It has excellent insulation, mechanical abrasion resistance, impact resistance performance and good sealing performance against water and moisture. This product is found in many applications esp. flame retardant demanding conditions like insulation and protection for high voltage cable middle connections, terminations and busbar as well as different kinds of pipelines for its excellent corrosion resistance, abrasion resistance.

#### Features

- Min shrink temperature: 80°C
- Min. full recovery temperature: 120°C
- Continuous operating temperature: -55°C ~125°C
- Shrink ratio: 3.5:1 .
- RoHS compliant .
- flame retardant outer layer, environment friendly.
- Standard color: black, more colors are available upon request



## Technical Performance

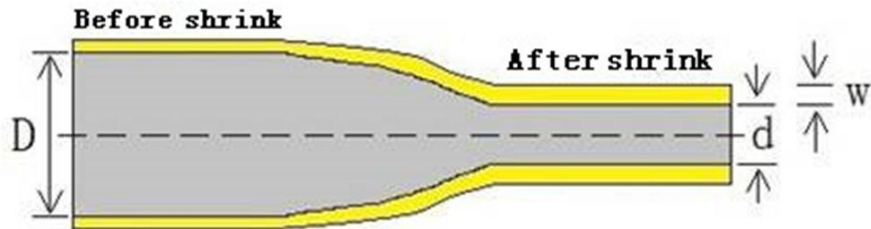
Properties	Typical Data	Test Method
Tensile strength	≥14MPa	ASTM D 2671
Elongation	≥400%	ASTM D 2671
Tensile strength after heat ageing	≥12MPa	158°C ×168h
Elongation after heat ageing	≥300%	158°C ×168h
Longitudinal change	0~-10%	ASTM D 2671
Flammability	The outer self-extinguishing 30s	UL224
Dielectric	≥18kV/mm	IEC 60243
Volume resistivity	≥10 <sup>14</sup> Ω.cm	IEC 60093

## Hot melt adhesive

Property	Typical data	Test method/condition
Softening point	85±5°C	ASTM E 28
Water absorption	<0.5%	ASTM D 570
Peel strength(PE)	≥120N/25mm	ASTM D 1000
Peel strength(Al)	≥80N/25mm	ASTM D 1000



## Structure



## Dimensions

Size(mm)	As supplied D(mm)	Recovered(mm)		Standard package
		Internal diameter d	Wall thickness w	(m/pcs)
Φ8.0/2.0	≥8.0	≤2.0	≥2.0	1.00 ~ 1.50
Φ9.0/3.0	≥9.0	≤3.0	≥2.0	1.00 ~ 1.50
Φ13.0/4.0	≥13.0	≤4.0	≥2.5	1.00 ~ 1.50
Φ16.0/5.0	≥16.0	≤5.0	≥2.5	1.00 ~ 1.50
Φ19.0/5.0	≥19.0	≤5.0	≥2.5	1.00 ~ 1.50
Φ22.0/6.0	≥22.0	≤6.0	≥2.7	1.00 ~ 1.50
Φ25.0/6.0	≥25.0	≤6.0	≥2.7	1.00 ~ 1.50
Φ28.0/6.0	≥28.0	≤6.0	≥2.7	1.00 ~ 1.50



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Φ33.0/8.0	≥33.0	≤8.0	≥3.2	1.00 ~ 1.50
Φ35.0/8.0	≥35.0	≤8.0	≥3.2	1.00 ~ 1.50
Φ40.0/12.0	≥40.0	≤12.0	≥4.1	1.00 ~ 1.50
Φ45.0/12.0	≥40.0	≤12.0	≥4.1	1.00 ~ 1.50
Φ55.0/16.0	≥55.0	≤16.0	≥4.1	1.00 ~ 1.50
Φ65.0/19.0	≥65.0	≤19.0	≥4.1	1.00 ~ 1.50
Φ75.0/22.0	≥75.0	≤22.0	≥4.1	1.00 ~ 1.50
Φ85.0/25.0	≥85.0	≤25.0	≥4.1	1.00 ~ 1.50
Φ95.0/30.0	≥95.0	≤30.0	≥4.3	1.00 ~ 1.50
Φ105.0/30.0	≥105.0	≤30.0	≥4.3	1.00 ~ 1.50
Φ115.0/34.0	≥115.0	≤34.0	≥4.3	1.00 ~ 1.50
Φ130.0/36.0	≥130.0	≤36.0	≥4.3	1.00 ~ 1.50
Φ140.0/42.0	≥140.0	≤42.0	≥4.3	1.00 ~ 1.50
Φ160.0/50.0	≥160.0	≤50.0	≥4.3	1.00 ~ 1.50
Φ180.0/50.0	≥180.0	≤50.0	≥4.3	1.00 ~ 1.50
Φ200.0/60.0	≥200.0	≤60.0	≥4.3	1.00 ~ 1.50
Φ235.0/65.0	≥235.0	≤65.0	≥4.5	1.00 ~ 1.50
Φ265.0/75.0	≥265.0	≤75.0	≥4.5	1.00 ~ 1.50
Φ300.0/85.0	≥300.0	≤85.0	≥4.5	1.00 ~ 1.50
Φ350.0/100.0	≥350.0	≤100.0	≥4.5	1.00 ~ 1.50

**Note: Non-standard dimensions and package are available on request**

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