



HBWJ-125G (3.5X)

Flame Retardant Heavy Wall Heat Shrink Tubing (without adhesive)



Description

HBWJ-125G (3.5X) Flame retardant heat shrink tubing is made of polyolefin materials whose properties are modified through special ionizing radiation process with electronic accelerators. It is flame retardant and highly insulating with a relatively thicker wall than normal single wall tubing. This product is found in many applications esp. flame retardant requiring 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

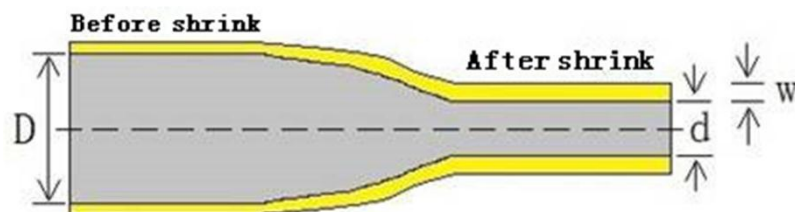
- Flame retardant, environmental friendly
- Min shrink temperature: 80°C
- Min. full recovery temperature: 120°C
- Continuous operating temperature: -55°C ~125°C
- Shrink ratio: 3.5:1 .
- RoHS compliant .
- Standard color: black, more colors are available upon request



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	Outer layer, self-extinguish in 30 sec.	UL224
Dielectric	≥18kv/mm	IEC 60243
Volume resistivity	≥10 ¹⁴ Ω.cm	IEC 60093

Structure





Dimensions

Size	As supplied D(mm)	Recovered(mm)		Standard Package
		Internal diameter d	Wall thickness (mm) w	(m/pc)
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
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



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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