

PNF Heat shrink tube

- Highly flexible thin-wall flame-retardant polyolefin heat shrink tubing with 2:1 shrink ratio and good printability
- Low shrink temperature (>90 °C) for fast and safe on-site installation; excellent mechanical, electrical and chemical properties
- Wide range of standard and non-standard colours; ideal for wire insulation, strain relief, cable protection and identification
- Certified flame-retardant (UL224 / CSA) with a wide operating temperature range from -55 °C to +135 °C



BENEFITS

PNF is a thin-wall, highly flexible, flame-retardant polyolefin heat shrink tubing with a 2:1 shrink ratio. It is widely used for insulation of electrical wires, reinforcement of cable joints, bundling of wires into harnesses and general mechanical protection.

The product combines very good physical, mechanical, chemical and electrical properties with a low shrink temperature (>90 °C), enabling quick and safe installation with a standard heat gun without risking damage to sensitive components. Operating temperature range: -55 °C to +135 °C.

Certified to UL224 / CSA, and compliant with EN 60684-3-209, RoHS and REACH. Available in a wide range of standard and non-standard colours, with European supply chain and competitive mid-range pricing – a practical alternative to premium brands.

TECHNICAL INFORMATION

Material

Cross-linked polyolefin (thin-wall), flame retardant

Shrink ratio

2:1

Temperature range

Continuous operating temperature: -55 °C to +135 °C. Shrink temperature: >90 °C

Storage conditions

Temperature:
Optimal range: +15 °C to +35 °C
Recommended: 23 °C ±2 °C

Humidity:
Recommended: 50% ±5% RH
Acceptable range: Ambient relative humidity

Approvals to standards

UL224 (125 °C, flame retardant); CSA C22.2 No. 198.1-98, OFT • EN 60684-3-209 • REACH and RoHS

Colours

Standard: black, white, red, blue, yellow, brown, grey, yellow-green, transparent, green.
Non-standard: violet, orange

Printing

Printable on Promark series printers (sizes from 2.4 mm to 6.4 mm) and on SP8600 (sizes from 2.4 mm to 38.1 mm).

Use Promark Creator for design and production management; for SP printers, use the printer software.

Customised markers (pre-printed and sorted) can also be ordered via the ParTex Custom Marking Service for all available PNF sizes – simply send your data and receive ready-to-install markers without having to print them yourself.





2:1 PRODUCT SIZE AND PACKAGING

Article	ØD, before shrinking [mm]	ød, after shrinking [mm]	ØD, before shrinking [inch]	ød, after shrinking [inch]	WT Recovered wall thickness		PNF reel [m]
					[mm]	[inch]	
PNF20012BN*	1.2	0.6	0.047	0.024	0.41	0.016	200
PNF20016BN*	1.6	0.8	0.063	0.031	0.43	0.017	200
PNF20024BN*	2.4	1.2	0.094	0.047	0.51	0.020	200
PNF20032BN*	3.2	1.6	0.126	0.063	0.51	0.020	200
PNF20048BN*	4.8	2.4	0.189	0.094	0.51	0.020	200
PNF20064BN*	6.4	3.2	0.252	0.126	0.64	0.025	150
PNF20095BN*	9.5	4.7	0.374	0.185	0.64	0.025	150
PNF20127BN*	12.7	6.4	0.500	0.252	0.64	0.025	100
PNF20191BN*	19.1	9.5	0.752	0.374	0.77	0.030	50
PNF20254BN*	25.4	12.7	1.000	0.500	0.89	0.035	50
PNF20381BN*	38.1	19.1	1.500	0.752	1.02	0.040	25
PNF20508BN*	50.8	25.4	2.000	1.000	1.14	0.045	25
PNF20762BN*	76.2	38.1	3.000	1.500	1.27	0.05	15
PNF21016BN*	101.6	50.8	4.000	2.000	1.40	0.055	15

Standard colours: black, white, red, blue, yellow, brown, grey, yellow-green, transparent, green. Non-standard violet, orange.

RELATED PRODUCTS



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