

PHZ Heat shrink tube

- PHZ is a flexible zero halogen thin wall polyolefin tubing with ideal printability
- Excellent properties of fire safety characteristics
- Low generation of smoke, toxic gases and corrosive gases
- Reduced overall assembly and marking costs on site when using ParTex printers on site



BENEFITS

PHZ is a thin wall flexible, zero halogen shrinkable tubing with excellent fire safety characteristics. This is allied to low smoke emissions and evolution of acid gases. This has been achieved without lowering mechanical and solvent resistant properties.

Primary applications include insulation and protection of cables, harnesses and electronic components used in enclosed spaces where toxic emissions must be minimized in case of a fire. The product is especially suitable for maritime, offshore and underground railway applications.

TECHNICAL INFORMATION

Material

Flexible halogen free polyolefin

Shrink ratio

2:1

Temperature range

Continuous operating temperature range of -55°C to $+105^{\circ}\text{C}$.
Shrink temperature $> 90^{\circ}\text{C}$

Storage conditions

Temperature: $23^{\circ} \pm 2^{\circ}\text{C}$
Humidity: $50\% \pm 5\% \text{ RH}$

Approvals to standards

ASTM D 635-HB (flammability resistance),
Boeing BS 7239 (toxic gas generation M7).

Railway normative:

BS6853 (1999) vehicle category Ia
EN 45545-2 class HL3
LUL 1-085: A3 compliant

Colours

Standard: Black, yellow, white.
Non-standard colours are available on request.

Printing

PHZ is printable for on site production with Promark T-2000 (sizes from 2.4mm to 6.4mm) and SP8600 printers. Use software Promark Creator for design and production management. Use printer software for SP printers.

Customized markers can also be ordered directly from ParTex.





2:1 PRODUCT SIZE AND PACKAGING

Article	ØD, before shrinking [mm]	ød, after shrinking [mm]	Ø, before shrinking [inch]	ød, after shrinking [inch]	WT Recovered wall thickness		PHZ reel [m]
					[mm]	[inch]	
PHZ20024BN/DNα	2.40	1.20	0.094	0.047	0.51	0.020	25 / 150
PHZ20032BN/DNα	3.20	1.60	0.125	0.063	0.51	0.020	25 / 150
PHZ20048BN/DNα	4.80	2.40	0.189	0.095	0.51	0.020	25 / 150
PHZ20064BN/DNα	6.40	3.20	0.252	0.126	0.65	0.026	25 / 150
PHZ20095BNα	9.50	4.70	0.374	0.185	0.65	0.026	150
PHZ20127BNα	12.70	6.40	0.500	0.251	0.65	0.026	150
PHZ20190BNα	19.10	9.50	0.752	0.375	0.77	0.030	50
PHZ20254BNα	25.40	12.70	1.000	0.500	0.89	0.035	50
PHZ20381BNα	38.10	19.10	1.500	0.750	1.00	0.039	25

α=0=black, 4=yellow, 9=white. Other colors on request.

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