

PHZF Heat shrink tube

- PHZF is a flat flexible thin wall polyolefin tubing with ideal printability
- Available with shrink ratio 2:1 and 3:1
- Excellent chemical, physical and electrical properties
- Reduced overall assembly and marking costs on site when using ParTex printers on site



BENEFITS

PHZF with shrink ratio 2:1 is a flat flexible zero halogen thin wall polyolefin 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 minimised in case of a fire. We consider the product especially suitable for maritime, offshore and underground railway applications.

PHZF with shrink ratio 3:1 flexible thin wall polyolefin tubing with excellent flame retardant properties.

TECHNICAL INFORMATION

Material

PHZF2 (shrink ratio 2:1): Halogen free polyolefin

PHZF3 (shrink ratio 3:1): Polyolefin

Shrink ratio

2:1 and 3:1

Temperature range

PHZF2: Continuous operation temperature range -55° to +105°C

PHZF3: Continuous operation temperature range -55° to +135°C

Shrink temperature > 90°C

Storage conditions

Temperature: 23° +/- 2° C

Humidity: 50% +/- 5% RH

Approvals to standards

PHZF2:

ASTM D 635-HB (flamability 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

PHZF3:

Flame retardant according to UL224/CSA

Railway normative:

EN45545-2 class HL2

Colours

PHZF2 standard: Black, yellow, white.

PHZF3 standard: Yellow, white.

Non-standard colours are available on request.

Printing

PHZF is printable for on site production with Promark T-2000, MK10 (EOS2, EOS5, SQUIX, DH) 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]	ØD, before shrinking [inch]	ød, after shrinking [inch]	WT Recovered wall thickness		PHZF reel [m]
					[mm]	[inch]	
PHZF20024DN/BNα	2.40	1.20	0.094	0.047	0.51	0.020	25 / 100
PHZF20032DN/BNα	3.20	1.60	0.125	0.063	0.51	0.020	25 / 100
PHZF20048DN/BNα	4.80	2.40	0.189	0.095	0.51	0.020	25 / 100
PHZF20064DN/BNα	6.40	3.20	0.252	0.126	0.65	0.026	25 / 100
PHZF20095BNα	9.50	4.70	0.374	0.185	0.65	0.026	100
PHZF20127BNα	12.70	6.40	0.500	0.251	0.65	0.026	100
PHZF20190BNα	19.10	9.50	0.752	0.375	0.77	0.030	50
PHZF20254BNα	25.40	12.70	1.000	0.500	0.89	0.035	50
PHZF20381BNα	38.10	19.10	1.500	0.750	1.00	0.039	25
PHZF20510BNα	50.8	25.4	2.000	1.000	1.00	0.039	25

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

3:1 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		PHZF reel [m]
					[mm]	[inch]	
PHZF30024BNα	2.40	0.80	0.094	0.031	0.51	0.020	100
PHZF30032DN/BNα	3.20	1.07	0.125	0.042	0.51	0.020	25 / 100
PHZF30048DN/BNα	4.80	1.60	0.189	0.063	0.51	0.020	25 / 100
PHZF30064DN/BNα	6.40	2.13	0.252	0.084	0.65	0.026	25 / 100
PHZF30095DN/BNα	9.50	3.17	0.374	0.125	0.65	0.026	20 / 100
PHZF30127DNα/BNα	12.70	4.23	0.500	0.167	0.65	0.026	15 / 100
PHZF30190DNα/BNα	19.10	6.37	0.752	0.251	0.77	0.030	15 / 50
PHZF30254DN/BNα	25.40	8.47	1.000	0.333	0.89	0.035	15 / 50
PHZF30381DN/BNα	38.10	12.70	1.500	0.500	1.00	0.039	10 / 25

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

RELATED PRODUCTS



Promark printers



MK10 printers



SP printers

