

# Medium and Heavy Wall Heat Shrink

## S3DN Welding Gas Pipe Dual Wall Heat Shrink Tube



### Introduction

Cross-linked polyolefin, with black anti-corrosion adhesive liner. Suitable for sealing and anti-corrosion protection of steel pipe welds and through-wall areas in urban gas pipelines. The hot-melt adhesive adheres firmly to the steel pipe for a long service life.

### Features

- Operating temperature: -55 to 105°C
- Minimum fully recovery temperature: 135°C
- Excellent corrosion and abrasion resistance
- Shrink ratio: 2:1
- Halogen-free, RoHS compliant
- Standard Color: Black

### Dimension

Part No. S3DN	Applicable steel pipe outer diameter (D3)	As supplied (mm)		After recovered (mm)		Standard length (m/pc)
		Inner diameter D1 (min.)	Wall thickness T1 (nom.)	Inner diameter D2 (max.)		
DN15	20~26	30	1.5/2.0/2.5*	18		≤1.5
DN20	25~35	40	1.5/2.0/2.5	20		≤1.5
DN25	30~45	50	1.5/2.0/2.5	25		≤1.5
DN32	35~55	60	1.5/2.0/2.5	30		≤1.5
DN40	40~65	70	1.5/2.0/2.5	35		≤1.5
DN50	50~75	80	1.5/2.0/2.5	40		≤1.5
DN65	60~85	90	1.5/2.0/2.5	45		≤1.5
DN80	70~100	120	1.5/2.0/2.5	60		≤1.5
DN100	90~120	160	1.5/2.0/2.5	75		≤1.5

Note: With glue, 1.5mm, 2.0mm and 2.5mm wall thickness are optional

### Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥ 12 MPa
Ultimate Elongation	ASTM D2671	≥ 300%
Heat Aging (136°C/168h)	ASTM D2671	
Tensile Strength		≥ 10 MPa
Ultimate Elongation		≥ 200%
Brittleness temperature	ASTM D2671	≤ -65°C
Heat shock (200°C/4h)	ASTM D2671	No cracking, dripping or flowing
Ring-and-Ball Softening Point	ASTM E28	≥ 85 °C
Inner wall adhesion:	ASTM D2671	
Peel strength to steel (23°C)		≥ 30 N/cm <sup>2</sup>
Dielectric strength	ASTM D2671	≥ 15 kV/mm
Volume resistivity	ASTM D2671	≥ 1.0 × 10 <sup>13</sup> Ω · cm

