

# Heat Shrink for Automotive Parts

## A3 Automotive Brake/fuel Pipeline Protection Heat Shrinkable Tube

### Introduction

Dual wall heat shrinkable tube, cross-linked polyolefin tube with hot melt adhesive liner. It protects automotive brake and fuel piping from mechanical damage and potential corrosion caused by moisture. Applicable to designated standard sizes of metal pipes.

### Features

- Operating temperature: -40 to 80°C
- Minimum full recovery temperature: 110°C
- Halogen-free and environmentally friendly
- RoHS & ELV compliant
- Shrink ratio: 1.5:1 to 4:1
- Standard Color: Black
- Temperature resistance 125°C optional
- Single wall optional

### Dimension

Part No. A3	Application(mm)		As supplied(mm)		After recovered(mm)	
	Pipe diameter	Wall Thickness	Inner diameter	Wall thickness	Inner diameter	Wall thickness
	D3	W3 (nom.)	D1 (min.)	W1 (nom.)	D2 (max.)	W2 (nom.)
6.5/4	4.76	1.0	6.5	0.75	4.0	1.2
8.5/6	6.35	1.0	8.5	0.75	6.0	1.2
11/7	8.0	1.0	11.0	0.75	7.0	1.3
13/8	10.0	1.0	13.0	0.75	8.0	1.3
15/8	10.0	1.0	15.0	0.75	8.0	1.3
15/4	4.76	1.1	15.0	0.40	4.0	1.3
5/3	3.50	1.0	5.0	0.70	3.0	1.1

### Technical Data

Property	Test Method	Requirement
Longitudinal change	ASTM D2671	-5% ~ +5%
Tensile strength	ASTM D2671	≥12MPa
Ultimate elongation	ASTM D2671	≥300%
Heat Aging (120°C/24h)	ASTM D2671	
Tensile strength		≥12MPa
Ultimate Elongation		≥270%
Deformation Resistance	UL224	≤50%
Impact Brittleness at -35°C	ASTM D746	No cracking
Drop Impact Resistance	JJS C3005	No cracking
Stress Cracking Resistance	ASTM D1693	No cracking
24 h at 50°C (122°F) in 10 percent IGEPAL		
Fluid Resistance 72h at 25°C (78°F)	ASTM D2671	No cracking
Sulfuric Acid (1.28 g/mL)		
Sodium Hydroxide (0.1N)		
Motor Vehicle Brake Fluid		
Unleaded Gasoline		

