

Polyolefin Heat-Shrink Tubing

## FITCOTUBE® FT555-AG

FITCOTUBE® FT555-AG is made of cross-linked polyolefin, with zig-zag inner air groove to guide the air flow and prevent bulging or wrinkling caused by trapped air after shrinkage on curved rubber hoses. Its excellent abrasion resistance offers high protection of the automobile pipelines and extends their service life.

<b>Operating temperature:</b>	-40°C to +125°C
<b>Min. full shrink temperature:</b>	+125° C
<b>Shrink ratio:</b>	3:1 & 2:1
<b>Standard color:</b>	Black Other colors on request
<b>Approvals/Specifications:</b>	TL52668 C



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)**
FT555-AG 18/8	18	8	1.1 ±0.2
FT555-AG 21/7.8	21	7.8	1.1 ±0.2
FT555-AG 27/10	27	10	1.1 ±0.2
FT555-AG 39/14	39	14	1.2 ±0.2
FT555-AG 51/21	51	21	1.3 ±0.2
FT555-AG 60/22	60	22	1.3 ±0.2
FT555-AG 76/38	76	38	1.5 ±0.2
FT555-AG 100/35	100	35	1.5 ±0.2

\*\*Wall thickness will be less if tubing recovery is restricted during shrinkage

Special sizes on request

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**Packaging:** On spools, cut lengths on request.

Properties	Test Method	Typical Value
<b>Mechanical</b>		
Tensile strength	ASTM D 2671	≥ 14MPa
Ultimate elongation	ASTM D 2671	≥ 350%
Specific density	ASTM D 2671	1.05g/cm <sup>3</sup> ~ 1.15g/cm <sup>3</sup>
Abrasion resistance	TL 52668 C	≥144,000
Resistance against dynamic loads	TL 52668 C	Pass
<b>Thermal</b>		
Low temperature flexibility (4h x -40°C)	ASTM D 2671	No cracking
Heat shock (4h x 225°C)	ASTM D 2671	No cracking, no dripping, no flowing
Heat ageing (168h/158°C) Tensile strength Ultimate elongation	ASTM D 2671	≥ 10MPa ≥ 280%
Thermal stability (-35°C to 120°C)	TL 52668 C	Pass
Flammability	FMVSS 302	Pass
<b>Chemical</b>		
Water absorption (24h x 23°C)	ASTM D 2671	≤ 0.5%
Resistance to chemicals (24h / 23°C) - coolant - engine oil - engine cleaner - gasoline - diesel - road salt	TL 52668 C	Pass

## Key Benefits:

- Abrasion resistance polyolefin material
- Heat shrink tube with inner air groove
- Smooth shrink, air-tight seal when bent
- Halogen free
- Will meet the requirements of TL52668

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