

HAP2 Dual Wall Adhesive Heat Shrink Tubing

Automotive pipe/ brake/ petrol pipe

Description

HAP2 Automobile Pipeline Brake Oil Pipe Adhesive-lined Heat Shrink Tubing is specially designed for automobile pipeline, fuel pipeline, hydraulic pipe, automotive brake petrol pipe and others which are resistance to external force, abrasion, and bending. Improve the safety, reliability and use life of wire harness in the automobile pipeline.



Feature & benefit

- 1, Superior wear-resistant and corrosion-resistant
- 2, Mechanical resistance, sealing, waterproof and damp-proof
- 3, High shrink ratio: 2:1
- 4, Low shrink-temperature, easy to install

Operating indexes:

First Shrink Temp.: 70°C

Final Shrink Temp.: 125°C

Working Temp.: -55°C~105°C

Up to standard: Approvals

Meet RoHs compliant, 105°C, 600V

Technical Data

Product Properties	Test method	Test Date
Longitudinal shrink ratio	ASTM D 2671	-5%~+5%
Tensile strength	ASTM D 2671	≥12.1MPa
Elongation at break	ASTM D 2671	≥300%
Tensile strength after aging	120℃,24hrs	≥12.1MPa
Resistance to deformation	140℃,10min,2kg/cm ² , 5 min	≥60%
Low temperature shock	ASTM D 748	-30℃,No cracks
Falling objects shock	Under normal temperature and to 40℃ * 30 minutes, 0.5 m high, 200 g weight heavy hammer shock	No cracks
Resistance to stress cracking	ASTM D 1693	No cracks
Breakdown strength	IEC 60243	≥20KV/mm
Corrosion	ASTM D 2671	Pass
Flammability	AMS-DTL-2305/4	Self-extinguish in thirty seconds
Volume resistance	IEC 60093	≥1014Ω.cm(min.)
Drug resistance 0.1mol/L H ₂ SO ₄ 0.1mol/L NaOH brake fluid Machine oil gasoline	20℃/120 h Appearance is not abnormal	
Hot melt adhesive technology index		
water absorption	105 ± 3℃	ASTM E 28
Softening point	< 0.5%	ASTM D 570

(PE) peel strength (PE)	≥120N/25mm	ASTM D 1000
(Al) peel strength (Al)	≥80N/25mm	ASTM D 1000

Dimension

As supplied (mm)		After recovered (mm)			Metal pipe diameter		Standard Packing (M/Roll)
(mm)	D (min.) Inside diameter	d (min.) Inside diameter	Wall Total thickness WT.	t. Adhesivel thickness	Inch	MM	
φ 4.5	≥5.0	≤3.2	1.2 ± 0.20	0.3 ± 0.1	1/8	3.50	300
φ 6.0	≥6.0	≤4.5	1.2 ± 0.20	0.3 ± 0.1	3/16	4.76	300
φ 8.0	≥8.0	≤6.1	1.3 ± 0.20	0.3 ± 0.1	1/4	6.35	200
φ 11.0	≥11.0	≤7.1	1.3 ± 0.20	0.3 ± 0.1	5/16	8.00	200
φ 13.0	≥13	≤9.8	1.3 ± 0.20	0.3 ± 0.1	3/8	10.0	100
φ 15.0	≥15	≤11.5	1.3 ± 0.20	0.3 ± 0.1	1/2	12.0	100

Standard color is color, other international colors can be customized.
Pointed Size can be customized according to customers' requests.

