

Dual Wall Hydraulic Tubing

ADWHT



Description

ADWHT is designed to protect automotive hydraulic pipes. The cross-linked polyolefin adhesive lined tubing combines excellent mechanical, abrasion and oil resistance.

Features

- Shrink Ratio 1.5 : 1
- Operating temperature - 35 to 125°C
- High oil and fuel resistance
- Good abrasion/dampening properties
- Colours - Black
- Minimum shrink temperature 120°C
- RoHS compliant

Applications

- Covering of hydraulic and pneumatic metal tubes
- Protects corrosion coating on metallic tubes against chipping and abrasion
- Vibration dampening where pipes are clipped onto vehicle body

Technical Data

Properties	Test Methods	Typical Values
Tensile (MPa)	UL 224	> 15
Elongation (%)	UL 224	> 300
Heat Ageing: Tensile (MPa) : Elongation (%)	UL 224 (158° C x 168 hrs)	> 12 > 250
Heat Shock(25°Cx4hrs)	UL 224	Pass
Low temperature flex.	ASTM D 746 (1 hrs @ - 35° C)	No Cracking
Impact Resistance	ASTM D 746	No Cracking @ - 35° C
Fluid Resistance * (MPa) (%)	ASTM D 2671 (250° C x 72 hrs)	Tensile > 7.8 Elongation > 150
Stress crack resistance	ASTM D 1693 (50° C x 24 hrs)	No Cracking

*Fluid Resistance: Tests conducted using brake fluid and unleaded petrol



Dimensions

Product	Pipe Ø mm	Inside Diameter (mm)		Wall Thickness (mm) Recovered
		Supplied	Recovered	
ADWHT5	3.50	5	3.0	1.0
ADWHT7	4.76	7	4.0	1.0
ADWHT10	8.00	10	7.0	1.0
ADWHT12	10.00	12	9.0	1.0

Eccentricity < or equal to 20% as per UL 224
Tolerances of ±0.15 on wall thickness

