

TA4155 – AUTOMOTIVE

With internal adhesive

(Shrink ratio 4÷1)



Note: knowing the diameter of the object to be covered, the width of the flattened tubing can be calculated using the formula **1.57079 x diameter**.
Knowing the width of the tubing, the diameter of the object to be covered can be calculated using the formula **0.6366 x width of tubing**.

BEFORE SHRINKING		AFTER FREE SHRINKING	
Minimum internal diameter in mm (D)		Internal diameter in mm (d)	Wall thickness in mm (e)
4.0		1.0	1.00
6.0		1.5	1.00
8.0		2.0	1.00
12.0		3.0	1.40
16.0		4.0	1.60
24.0		6.0	2.15
32.0		8.0	2.40
52.0		13.0	2.40
			1 mt cut lengths

**HEATSHRINKABLE
TUBING IN POLYOLEFIN**
"SERIES TA4155"
SHRINK RATIO 4÷1
WITH INTERNAL ADHESIVE
AUTOMOTIVE

General features

The TA4155 tubing is a flexible heatshrinkable tubing with internal adhesive. The internal surface is coated with a hot-melt adhesive which melts around the object during the shrinking process, so as to protect it from any infiltration of water or humidity. The high shrink ratio makes it suitable for protecting particularly irregular objects. Ideal for use in all applications in which a high degree of protection is needed, TA4155 tubing is especially suitable for use in the "Automotive" sector.

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Technical features

• Shrink ratio	4 ÷ 1	
• Operating temperature (only external wall)	-55 °C ÷ +125 °C	
• Self-extinguishing properties (only external wall)	Within 30 seconds	ACCORDING TO STANDARD SEA-AMS-DTL-23053/4
• Standard colours	Black Other colours upon request	
• Packing	On reels	
• Minimum shrink temperature	> +100 °C	
• Thermal shock (4 hours at 250 °C)	No damage	
• Elongation after heat ageing test (168 hours at 158 °C)	150%	
• Cold bend test	No splitting	ACCORDING TO STANDARD ASTM D 2671
• Elongation to break	300%	ACCORDING TO STANDARD ASTM D 2671
• Longitudinal variation	0 ÷ -10%	ACCORDING TO STANDARD UL 224
• Water absorption	≤ 0,5%	ACCORDING TO STANDARD ASTM D 570
• Adhesion to aluminium	60 N / 25 mm	ACCORDING TO STANDARD ASTM D 2671
• Resistance to fluids (24 hours at 23 °C in diesel fuel and lubricating oil)	Break resistance 7 MPa Elongation 300%	ACCORDING TO STANDARD MIL-DTL-23053/4
• Volume resistance	10 ¹⁴ ohm.cm	ACCORDING TO STANDARD ASTM D 257
• Dielectric strength	Does not discharge (AC 2500V / 60 seconds)	ACCORDING TO STANDARD ASTM D 2671
• Information regarding application	See the chapter "Choosing heatshrinkable tubing and information regarding its application"	

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