

# TTPMMS

Medium wall

With internal sealant mastic



**Note:** knowing the diameter of the object to be covered, the width of the flattened tubing can be calculated using the formula  $1.57079 \times \text{diameter}$ .  
Knowing the width of the tubing, the diameter of the object to be covered can be calculated using the formula  $0.6366 \times \text{width of tubing}$ .

BEFORE SHRINKING	AFTER FREE SHRINKING		Packing in cut lengths
Internal diameter in mm (D)	Internal diameter in mm (d)	Wall thickness in mm (e)	
30	6	2.5	1 mt/1,5 mt
33	8	2.5	1 mt/1,5 mt
40	12	2.5	1 mt/1,5 mt
55	16	2.0	1 mt/1,5 mt
75	22	2.0	1 mt/1,5 mt
95	25	2.0	1 mt/1,5 mt
115	34	2.0	1 mt/1,5 mt
140	42	2.3	1 mt/1,5 mt
160	50	2.3	1 mt/1,5 mt
180	58	2.5	1 mt/1,5 mt
200	65	2.5	1 mt/1,5 mt
235	65	2.5	1 mt/1,5 mt
265	75	3.0	1 mt/1,5 mt
300	75	3.0	1 mt/1,5 mt
350	100	3.0	1 mt/1,22 mt
380	150	3.5	1 mt
410	150	4.0	1 mt

**MEDIUM WALL  
HEATSHRINKABLE  
TUBING WITH INTERNAL  
SEALANT MASTIC**

**"SERIES TTPMMS"**

## General features

The medium wall Series TTPMMS polyolefin tubing is lined internally with mastic and is especially suitable for protecting metal tube joints and various connections that require environmental sealing. The high strength of the TTPMMS tubing plus the internal layer of mastic, guarantees not only a highly efficient mechanical protection against humidity and infiltration of water, but also makes this product particularly suitable for use in an external environment.



## Technical features

Tubing		
• Shrink ratio	See the table	
• Operating temperature (only external wall)	-35 °C ÷ +110 °C	IN ACCORDANCE WITH IEC 216
• Minimum shrink temperature	+120 °C	
• Tensile strength	≥ 14 MPA	IN ACCORDANCE WITH ASTM D 2671
• Elongation	≥ 400%	IN ACCORDANCE WITH ASTM D 2671
• Elongation after heat ageing test Elongation to break	> 300 %	IN ACCORDANCE WITH ASTM D 2671 (150 °C - 168 hours)
• Eccentricity	< 30 %	IN ACCORDANCE WITH ASTM D 2671
• Longitudinal variation	0 ÷ -10%	IN ACCORDANCE WITH UL 224
• Dielectric strength	≥ 20 kV/mm	IN ACCORDANCE WITH IEC 243
• Volume resistivity	≥ 10 <sup>14</sup> Ω cm	IN ACCORDANCE WITH IEC 93
• Copper stability	Positive	IN ACCORDANCE WITH ASTM D 2671
• Stress cracking resistance (50 °C)	No cracking	IN ACCORDANCE WITH ASTM D 1693
• Cold bend test (4 hours at -55 °C)	No cracking	IN ACCORDANCE WITH ASTM D 1693
• Standard colour	Black	
• Other colours	Not available	
• Information regarding application	See the chapter "Choosing heatshrinkable tubing and information regarding its application"	

Black sealant mastic		
• Water absorption	ISO 62	< 0.1 %
• Resistance to stainless steel peeling	ASTM D 1000	50 N/25 mm
• Copper stability	ASTM D 2671	No corrosion
• Resistance to fungus and decay	ISO 846	Passed
• Information regarding application	See the chapter "Choosing heatshrinkable tubing and information regarding its application"	

**COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 9001:2008 =**

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