



## TECHNICAL DATA SHEET

Product code:

**MAGIFLEX**  
PVC-FREE Medical Tube

Magiflex is a multilayer PVC-FREE Medical Tube, composed by polyolefin copolymer based, that is coextruded.

Magiflex tube is designed for the production of flexible containers and medical device addressed to the pharmaceutical industry

**Structure:** The tube consists of three layers  
**Description:** diameters as specified by technical drawing (average of 8 measurements)  
wall as specified by technical drawing (average of 8 measurements)  
**Storage:** **MAGIFLEX** must be stored at room temperature (not exceeding 40 °C) in closed and unbroken packaging, in order to avoid exposure to sunlight and water absorption.  
48h before use it should be stored within 18°C to 22°C  
Recommended welding temperature approx. 140°C\*  
\* this data is purely indicative as it depends on the machine used  
**Expiry date:** Recommended use within 12 month after delivery

### BIOLOGICAL REACTIVITY

TEST	VALUE	PROCEDURE
Cytotoxicity test MEM elution	In Conformity	ISO 10993-5
Endotoxin test	In Conformity	Eur. Ph. 2.6.14
Metals and heavy metals	In Conformity	Eur. Ph. 3.1.3

### FILM PROPERTIES

TEST	UNIT MEASURES	VALUE	PROCEDURE
Tensile strength	MPa	22.9 ± 0.2	ISO 527
Elongation	%	580 ± 10	ISO 527
Modulus of Elasticity	Mpa	142 ± 2	ISO 527
Water vapour transmission (25° C, 60% r.H)	gr/m <sup>2</sup> ·d	< 0.70	DIN 53122
Oxygen transmission (23° C, 60% r.H)	ml/m <sup>2</sup> ·d·bar	< 0.70	DIN 53380
Residual ash	%	0.02	ISO 1887

Rev. 02 date 14/02/14

Issued by QA: Dott. Gobbo

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