

TECHNICAL DATASHEET

POLYURETHANE 98 MB-LONGLIFE® TUBE Ø 5,5 MM X 8 MM

Descrizione generale

Features

- Flexible ester-based polyurethane tube;
- Hardness 52 Shore D.

Applications

Industrial automation; Vacuum equipment; Machine tool; Robotics;







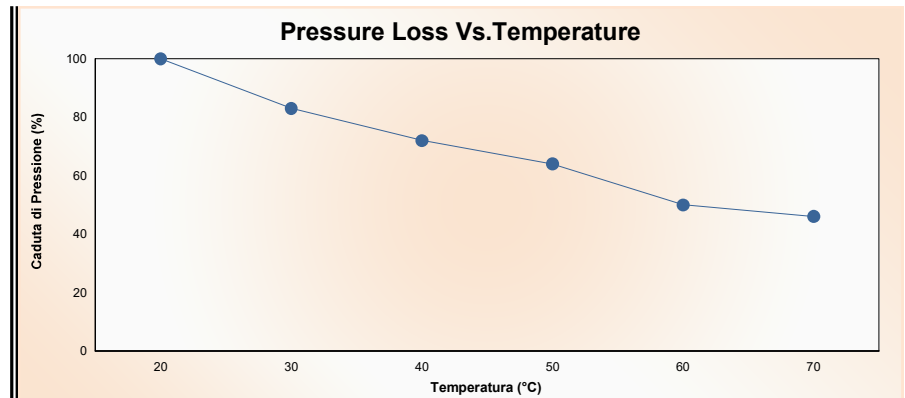
Operating temperature




From -40°C to 60°C

Specifiche articolo

Tests made in a lab conditioned at 23°C, 50 % R.H. for 24 hours

	METHOD	UM		Tolerance
 Inner diameter (iØ)		mm	5.5	
 Outer diameter (oØ)		mm	8	± 0.07
Wall thickness		mm	1.25	± 0.07
 Minimum bending radius		mm	40	± 4
 Operating pressure (23°C - SF 3:1)		BAR	12	± 2



 Operating pressure (23°C - SF 4:1)	ISO 7751:2016	BAR	9	± 1
 Unit net weight		kg/m	0.0329	± 0.002
 Print	*MB* MB-LONGLIFE® POLIURETANO PUR 98 Ø 8X5,5 POLYURETHANE 98 Made in Italy			

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Proprietà del materiale

Mechanical features



Hardness

52

METHOD

UM

Tolerance

Informazioni aggiuntive

Packaging

Standard coils are packed in plastic film; plastic, carton board, plywood or wooden reels available on request (refer to the dedicated file in order to choose the best solution).

Storage conditions

Keep the product stored in a range of temperature from +5°C to +35°C, far away from any sunlit area, heat or ultraviolet light source.

Shelf Life

If stored in optimal conditions, approximately six months from delivery date in original film packaging. Approximately twelve months from delivery date in original carton box packaging.

Chemical resistance

Polyurethane polyester has low chemical resistance. It is influenced by the period of exposure, the temperature, the quantity, the concentration and the type of the chemical substance. PU 98 MB-LONGLIFE® is attacked by acidic and basic solutions also at room temperature and any contact with these substances should be avoided. It is also not recommended to use it in contact with water due to the high risk of hydrolysis of the polymer chains. For more information, see our chemical resistance chart in our catalog. During the degradation the polyurethane loses its mechanical characteristics and in extreme cases there is a break in several parts of the product. This process is generally preceded by swelling.

When using polyester-based thermoplastic polyurethane in high heat and humidity climatic conditions, PU 98 MB-LONGLIFE® parts can be damaged by microbiological attack. In particular, micro-organisms producing enzymes are able to affect the molecule chains of polyester-based PU. The microbiological attack initially becomes visible as discolouration. Subsequently, surface cracks occur which enable the microbes to penetrate deeper and to cause a complete destruction.