

## TECHNICAL DATASHEET

## PA12 PHL MB-LONGLIFE® TUBE Ø 4 MM X 6 MM

## Descrizione generale

## Features

- Polyamide 12 PHL flexible tubing for low pressure, plasticized, light and heat stabilized;
- Produced with raw materials designed to meet DIN 73378/74324 standards.

## Applications





Industrial automation; Vacuum equipment; Machine tool; Robotics; Chemical resistance; Pest control lines; Petroleum based chemical transfer; Clutch system; Breaking systems truck trailers; Hydrolysis resistance;

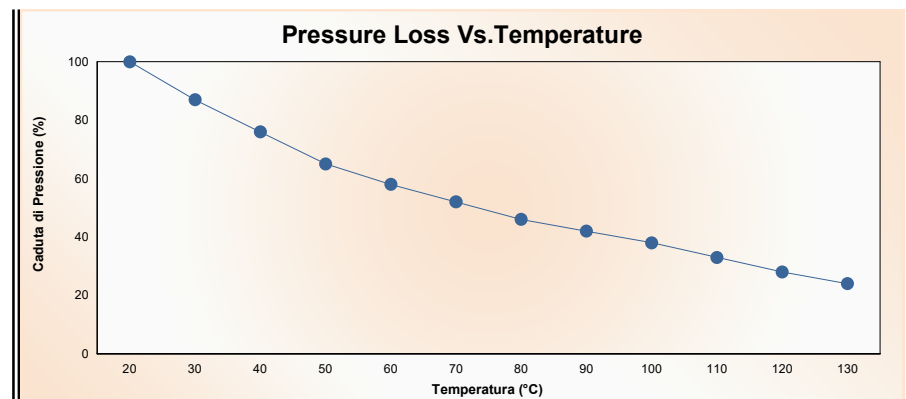
## Operating temperature



From -40°C to 80°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  | 4  |           |
|  | Outer diameter (oØ)                | mm  | 6  | ± 0.07    |
|  | Wall thickness                     | mm  | 1  | ± 0.07    |
|  | Minimum bending radius             | mm  | 30 | ± 3       |
|  | Operating pressure (23°C - SF 3:1) | BAR | 26 | ± 3       |



|  |                                    |               |      |         |         |
|--|------------------------------------|---------------|------|---------|---------|
|  | Operating pressure (23°C - SF 4:1) | ISO 7751:2016 | BAR  | 20      | ± 2     |
|  | Unit net weight                    |               | kg/m | 0.00066 | ± 0.001 |

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Print

\*MB\* MB-LONGLIFE® PA12 DIN 74324 Ø 6X4 PA12 PHL Made in Italy

Norms

DIN 74324

### 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

PA 12 PHL MB-LONGLIFE™ is particularly resistant to chemical substances-based hydrocarbon and diluted solutions of weak acids, weak bases and salts. The excellent chemical resistance of PA 12 PHL MB-LONGLIFE™ is reflected both in high dimensional stability under harsh conditions and in the non-degradation of the polymer matrix. It features good resistance to oils, hydraulic fluids, and petroleum products. In general its not resistant to many strong acids, bases.

Attention should be focus to some chemical components that do not individually attack PA12 but may synergistic reactions in a mixture should attack the polymer. For more detailed information refer to the chemical resistance table in our catalog.

#### Weathering

PA 12 PHL MB-LONGLIFE™ is particularly resistant to degradation of the combined effect of the suns rays and the rain water performing a good endurance to ageing (stabilized to light, best performance on black colored hoses when used in sunlit areas and in close proximity to high ultraviolet light sources)