

TECHNICAL DATASHEET

PA12 HR RIGID TUBE Ø 3 MM X 6 MM

Descrizione generale

Features

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

Applications

Industrial automation; Vacuum equipment; Lubrication; Misiting; Machine tool; Chemical resistance; 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

3



Outer diameter (oØ)

mm

6

± 0.07

Wall thickness

mm

1.5

± 0.07



Minimum bending radius

mm

20

± 2

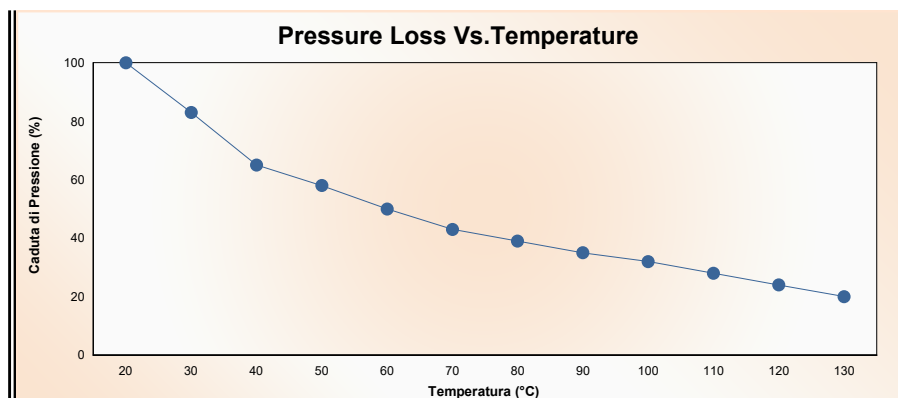


Operating pressure (23°C - SF 3:1)

BAR

93

± 10



Operating pressure (23°C - SF 4:1)

ISO 7751:2016

BAR

70

± 7



Unit net weight

kg/m

0.0218

± 0.002



Print

MB PA12 HR TIPO "O" TYPE "O" DIN 73378 Ø 6X3 PA12 HL Made in Italy

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Norms

DIN 73378

Proprietà del materiale

Mechanical features

METHOD

UM

Tolerance



Hardness

78

Thermal features

METHOD

UM

Tolerance

Melting point

ISO 11357

°C

178

Generic features

METHOD

UM

Tolerance



Humidity absorption

0,7



Density

1,02

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

Polyamide 12 HR type "0" offers an ideal balance between the resistance of polyamides to grease and hydrocarbons and the resistance to some acids, bases and salts of polyolefines. The excellent chemical resistance of PA 12 HL 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 it's not resistant to many acids, strong bases, oxidizing agents and chlorine based products, but its resistance varies with the chemical group involved, concentration and temperature. The same applies to mixtures of chemical that alone do not attack PA 12, but when mixed together can produce synergistic reactions. For more detailed information please refer to our "chemical resistance chart" on our catalogue.



Specialisti dell'estrusione tubi per l'automazione industriale, sistemi frenanti, settore alimentare, in poliammide (PA11, PA12, PA10.12, PA6, PA6.6, PPA), poliuretano, polietilene (PELD, PEHD, PELLD) e fluoropolimeri (PVDF, PTFE, FEP, PFA). Tecnologia multistrato, tubi lineari e spiralati.

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Weathering

Polyamide 12 is particularly resistant to degradation of the combined effect of the sun's 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)