



TECHNICAL DATASHEET

POLYURETHANE FABUTHANE® 54 TUBE Ø 9 MM X 12 MM (FOOD GRADE)

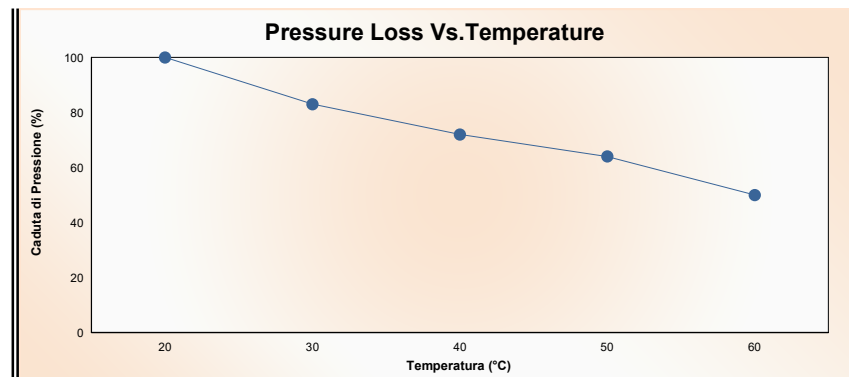
Descrizione generale

| | |
|------------------------------|---|
| Features | <ul style="list-style-type: none"> • Flexible ether polyurethane based tube, food grade; • Hardness 54 Shore D. |
| Applications | Industrial automation; Vacuum equipment; Machine tool; Robotics; Food transfer; Drinkable water; Hydrolysis resistance; |
| Operating temperature | From -40°C to 60°C |

Specifiche articolo

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

| | METHOD | UM | | Tolerance |
|---------------------------|--------|-----|-----|-----------|
| Inner diameter (iØ) | | mm | 9 | |
| Outer diameter (oØ) | | mm | 12 | ± 0.1 |
| Wall thickness | | mm | 1.5 | ± 0.07 |
| Minimum bending radius | | mm | 70 | ± 7 |
| Operating pressure (23°C) | | BAR | 7 | ± 1 |



| | | | |
|-----------------|--|--------|---------|
| Unit net weight | kg | 0.0575 | ± 0.003 |
| Norms | FDA Titolo 21 CFR 177.1680 - CE Reg. 1935/2004 - CE Reg. 10/2011 - D.M. 21/03/73 | | |



Proprietà del materiale

| Mechanical features | METHOD | UM | | Tolerance |
|---------------------|----------|------|-----|-----------|
| Flexibility | ISO 527 | MPa | 150 | |
| Hardness | ISO 7619 | Sh D | 53 | |



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| <i>Thermal features</i> | | <i>METHOD</i> | <i>UM</i> | <i>Tolerance</i> |
|---|-------------------------|---------------|-------------------|------------------|
|  | <i>Flame resistance</i> | UL 94 | HB | |
| <i>Generic features</i> | | <i>METHOD</i> | <i>UM</i> | <i>Tolerance</i> |
|  | <i>Density</i> | ISO 1183 | g/cm ³ | 1,17 |

Informazioni aggiuntive

| | |
|----------------------------|--|
| <i>Packaging</i> | Standard coils are packed in plastic film. |
| <i>Storage conditions</i> | 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. |
| <i>Shelf Life</i> | 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. |
| <i>Chemical resistance</i> | Chemical resistance of polyurethane is poor. It is influenced by the period of exposure, the temperature, the quantity, the concentration and the type of the chemical substance. In the case of chemical degradation of polyurethane the chemical reaction results in cleavage of the molecular chains. This process is generally preceded by swelling. In the course of degradation, polyurethane loses strength, and in extreme cases this can lead to disintegration of the part. PU products are attacked by concentrated acids and alkaline solutions even at room temperature. Any contact with these substances should be avoided. PU ether based is resistant against microbes and owns great hydrolytic features and low index of absorption of humidity. For more detailed information please refer to our “chemical resistance chart” on our catalogue (Ed. 2015). |