



TECHNICAL DATASHEET

POLYURETHANE FABUTHANE® 54 TUBE Ø 5,5 MM X 8 MM (FOOD GRADE)

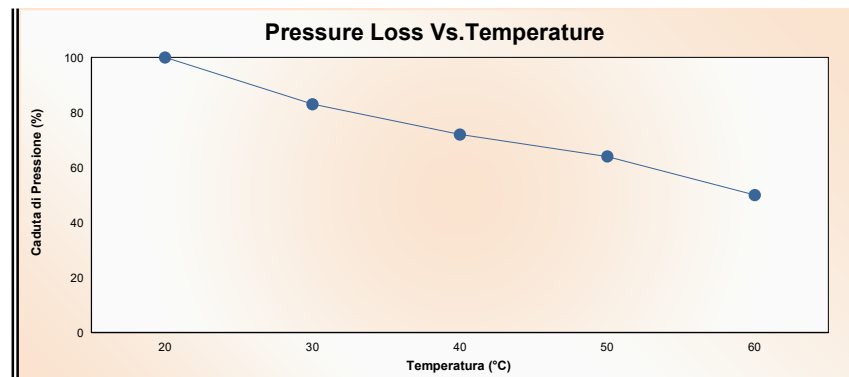
Descrizione generale

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	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)		BAR	9	± 1



Unit net weight	kg	0.0308	± 0.002
Print	*MB* FABUTHANE™ 54 POLIURETANO Per Alimenti (Immagine Forchetta e bicchiere) Ø 8X5,5 *LOGO* FOOD GRADE POLYURETHANE 54 Reg.10/2011 & FDA CFR 177.1680		
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	

All statements, information, and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty or responsibility of any kind express or implied. Since development and improvement of compounds is a continuing process, Mebra Plastik Italia reserves the right to modify their composition and features. The information and suggestions are provided for guidance purpose only.



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	Hardness	ISO 7619	Sh D	53	
	<i>Thermal features</i>	<i>METHOD</i>	<i>UM</i>		<i>Tolerance</i>
	Flame resistance	UL 94		HB	
	<i>Generic features</i>	<i>METHOD</i>	<i>UM</i>		<i>Tolerance</i>
	Density	ISO 1183	g/cm ³	1,17	

Informazioni aggiuntive

Packaging	Standard coils are packed in plastic film.
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	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).