

ISO 11619:2024-07 (E)

Pneumatic fluid power - Polyurethane and polyamide tubings for use primarily in pneumatic installations - Dimensions and specification

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Materials and construction	1
5	Dimensions and tolerances	2
5.1	Outside and inside diameters, wall thickness and tolerances	2
5.1.1	Polyurethane tubing	2
5.1.2	Polyamide tubings	3
5.1.3	Length tolerances	4
6	Performance requirements	4
6.1	Hydrostatic testing at 23 °C ± 2 °C	4
6.1.1	General	4
6.1.2	Polyurethane tubing hydrostatic testing	4
6.2	Polyamide hydrostatic testing	5
6.3	Hydrostatic testing at high temperature	6
6.3.1	General	6
6.3.2	Polyurethane hydrostatic testing	6
6.3.3	Polyamide hydrostatic testing	7
6.4	Maximum working pressure	8
6.4.1	Polyurethane tubing	8
6.4.2	Polyamide tubing	9
6.5	Minimum bend radius	10
6.5.1	Polyurethane tubing bending radius	10
6.5.2	Polyamide tubing bending radius	11
6.6	UV ageing testing	12
7	Type, routine and production testing	12
8	Marking	12
9	Recommendations for packing and storage	12
Annex A (normative)	Test frequency	13
Bibliography		14