

ISO 16486-4:2016-06 (E)

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 4: Valves

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Material	3
4.1	PA-U compound	3
4.2	Material for non-unplasticized polyamide parts	3
4.2.1	General	3
4.2.2	Metal parts	4
4.2.3	Elastomers	4
4.2.4	Other materials	4
5	General characteristics	4
5.1	Appearance of the valve	4
5.2	Colour	4
5.3	Design	4
5.3.1	General	4
5.3.2	Valve body	4
5.3.3	Operating device	5
5.3.4	Seals	5
5.4	Fusion compatibility	5
6	Geometrical characteristics	5
6.1	General	5
6.2	Measurement of dimensions	5
6.3	Dimensions of spigot ends for valves	5
6.4	Dimensions of valves with electrofusion sockets	5
6.5	Dimensions of the operating device	6
7	Mechanical characteristics of assembled valves	6
7.1	General	6
7.2	Conditioning	6
7.3	Requirements	6
8	Physical characteristics	11
8.1	Conditioning	11
8.2	Requirement	11
9	Performance requirements	11
10	Marking	12
10.1	General	12
10.2	Minimum required marking of valves	12
10.3	Additional information required on valve or label	12
10.4	Fusion system recognition	12

11	Packaging	13
	Annex A (normative) Determination of the leaktightness of seat and packing	14
	Annex B (normative) Test method for leaktightness and ease of operation after tensile loading	15
	Bibliography	17