

ISO 16486-3:2020 (E)

Plastics piping systems for the supply of gaseous fuels — Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing — Part 3: Fittings

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Material
4.1	PA-U compound
4.2	Material for non-unplasticized polyamide parts
4.2.1	General
4.2.2	Metal parts
4.2.3	Elastomers
4.2.4	Other materials
5	General characteristics
5.1	Appearance
5.2	Design
5.3	Colour
5.4	Electrical characteristics for electrofusion fittings
5.5	Appearance of factory-made fusion joints
5.6	Fusion compatibility
5.7	Appearance of transition fittings
6	Geometrical characteristics
6.1	Measurement of dimensions
6.2	Dimensions of electrofusion sockets
6.2.1	Diameters and lengths of electrofusion sockets
6.2.2	Wall thickness
6.3	Dimensions of spigot end fittings
6.4	Dimensions of tapping tees
6.5	Dimensions of transition fittings to other materials
7	Mechanical characteristics
7.1	General
7.2	Conditioning
7.3	Mechanical requirements
7.4	Additional requirements for transition fittings
8	Physical characteristics
8.1	Conditioning
8.2	Requirements
9	Chemical resistance of fittings in contact with chemicals
10	Performance requirements
11	Marking
11.1	General

- 11.2 Minimum required marking of fittings
- 11.3 Additional information required on fitting or label
- 11.4 Fusion system recognition

12 Delivery conditions

Annex A (informative) Examples of typical terminal connections for electrofusion

Annex B (normative) Short-term pressure test method

- B.1 Principle
- B.2 Apparatus
- B.3 Test piece
- B.4 Procedure
- B.5 Test report

Annex C (normative) Tensile test fitting/pipe assemblies

- C.1 Principle
- C.2 Apparatus
- C.3 Test piece
- C.4 Procedure
- C.5 Test report

Page count: 22