
Cevni sistemi iz polimernih materialov za oskrbo s plinastimi gorivi - Cevni sistemi iz nemehčanega poliamida (PA-U) z zvari in mehanskimi spoji - 3. del: Fitingi (ISO 16486-3:2020)

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 3: Fittings (ISO 16486-3:2020)

Kunststoff-Rohrleitungssysteme für die Gasversorgung - Rohrleitungssysteme aus weichmacherfreiem Polyamid (PA-U) mit Schweißverbindungen und mechanischen Verbindungen - Teil 3: Formstücke (ISO 16486-3:2020)

Systèmes de canalisations en matières plastiques pour la distribution de combustibles gazeux - Systèmes de canalisations en polyamide non plastifié (PA-U) avec assemblages par soudage et assemblages mécaniques - Partie 3: Raccords (ISO 16486-3:2020)

Ta slovenski standard je istoveten z: EN ISO 16486-3:2020

ICS:

75.200	Oprema za skladiščenje nafte, naftnih proizvodov in zemeljskega plina	Petroleum products and natural gas handling equipment
83.140.30	Polimerne cevi in fittingi za snovi, ki niso tekočine	Plastics pipes and fittings for non fluid use

SIST EN ISO 16486-3:2020**en**

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EUROPEAN STANDARD

EN ISO 16486-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2020

ICS 75.200; 83.140.30

English Version

Plastics piping systems for the supply of gaseous fuels -
Unplasticized polyamide (PA-U) piping systems with
fusion jointing and mechanical jointing - Part 3: Fittings
(ISO 16486-3:2020)

Systèmes de canalisations en matières plastiques pour
la distribution de combustibles gazeux - Systèmes de
canalisations en polyamide non plastifié (PA-U) avec
assemblages par soudage et assemblages mécaniques -
Partie 3: Raccords (ISO 16486-3:2020)

Kunststoff-Rohrleitungssysteme für die Gasversorgung
- Rohrleitungssysteme aus weichmacherfreiem
Polyamid (PA-U) mit Schweißverbindungen und
mechanischen Verbindungen - Teil 3: Formstücke
(ISO/FDIS 16486-3:2020)

This European Standard was approved by CEN on 21 September 2020.

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European foreword

This document (EN ISO 16486-3:2020) has been prepared by Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids" in collaboration with Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

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INTERNATIONAL
STANDARDISO
16486-3Second edition
2020-09

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

*Systèmes de canalisations en matières plastiques pour la distribution
de combustibles gazeux — Systèmes de canalisations en polyamide
non plastifié (PA-U) avec assemblages par soudage et assemblages
mécaniques —*

Partie 3: Raccords

Reference number
ISO 16486-3:2020(E)

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 3, *Plastics pipes and fittings for the supply of gaseous fuels*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and dusting systems*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 16486-3:2012), which has been technically revised. It also incorporates ISO 16486-3:2012/Amd 1:2014.

The main changes compared to the previous edition are as follows:

- In subclause [5.7](#), text concerning the exceptional use of flange adaptors is added;
- In [Table 1](#), electro fusion socket length has been revised and the diameter range extended;
- [Tables 1](#) and [3](#) are extended with nominal outside diameters up to and including 630 mm;
- [Tables 3](#) to [5](#) have been reordered;
- An editorial mistake of 6 hours has been changed to 16 hours for conditioning before hydrostatic strength testing in [Table 4](#) and before internal pressure testing in [Table 5](#);
- A NOTE to [Table 6](#) and a footnote in [Table 7](#) have been added to explain the limited use of MVR;
- For transition fittings, the reference to ISO 17885 has been introduced;
- For Fusion system recognition, reference is made to ISO 13950 and ISO 12176-4 and ISO 12176-5¹⁾;
- The title of [Clause 12](#) has changed from "Packaging" to "Delivery conditions".

A list of all parts in the ISO 16486 series can also be found on the ISO website.

1) Under preparation. Stage at the time of publication: ISO/FDIS 12176-5:2020.