

DIN ISO 16486-1:2015-07 (E)

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General (ISO 16486-1:2012 + AMD 1:2014)

| Contents | | Page |
|---|--|-------------|
| National foreword | | 3 |
| National Annex NA (informative) Bibliography | | 4 |
| Introduction | | 5 |
| 1 Scope | | 6 |
| 2 Normative references | | 6 |
| 3 Terms and definitions | | 7 |
| 3.1 Geometrical characteristics | | 7 |
| 3.2 Materials | | 8 |
| 3.3 Material characteristics | | 9 |
| 3.4 Related to service conditions | | 9 |
| 4 Symbols and abbreviated terms | | 10 |
| 4.1 Symbols | | 10 |
| 4.2 Abbreviated terms | | 10 |
| 5 Material | | 10 |
| 5.1 Material of the components | | 10 |
| 5.2 Compound | | 10 |
| 5.3 Fusion compatibility | | 14 |
| 5.4 Classification and designation | | 14 |
| 5.5 Maximum operating pressure (MOP) | | 14 |
| Annex A (normative) Assessment of degree of pigment or carbon black dispersion in unplasticized polyamide compounds | | 15 |
| Annex B (normative) Chemical resistance | | 19 |
| Annex C (normative) Hoop stress at burst | | 22 |
| Bibliography | | 24 |