

DIN EN 1555-1:2021-12 (E)

Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 1: General

| Contents | | Page |
|--|--|-------------|
| European foreword | | 3 |
| Introduction | | 5 |
| 1 | Scope | 6 |
| 2 | Normative references | 6 |
| 3 | Terms and definitions | 8 |
| 3.1 | Geometrical definitions | 8 |
| 3.2 | Material definitions | 10 |
| 3.3 | Definitions related to material characteristics | 11 |
| 3.4 | Definitions related to service conditions | 11 |
| 3.5 | Definitions related to joints | 12 |
| 4 | Symbols and abbreviations | 12 |
| 4.1 | Symbols | 12 |
| 4.2 | Abbreviations | 13 |
| 5 | Material | 14 |
| 5.1 | Material of the components | 14 |
| 5.2 | Compound | 14 |
| 5.2.1 | Additives and pigments | 14 |
| 5.2.2 | Colour | 14 |
| 5.2.3 | Characteristics | 14 |
| 5.3 | Fusion compatibility | 19 |
| 5.4 | Classification and designation | 19 |
| 5.5 | Design coefficient and design stress | 19 |
| Annex A (informative) Additional information related to the installation of PE100-RC systems for non-conventional installations | | 20 |
| A.1 | Pipe material | 20 |
| A.2 | Installation Conditions | 21 |
| Bibliography | | 23 |