

ISO 4437-1:2024-02 (E)

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

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	3
3.1	Terms related to geometry	3
3.2	Terms related to material	4
3.3	Terms related to material characteristics	4
3.4	Terms related to service conditions	5
3.5	Terms related to joints	6
4	Symbols and abbreviated terms	6
4.1	Symbols	6
4.2	Abbreviated terms	7
5	Material	8
5.1	Material of the components	8
5.2	Compound	8
5.2.1	Additives and pigments	8
5.2.2	Colour	8
5.2.3	Characteristics	8
5.3	Fusion compatibility	12
5.4	Classification and designation	13
5.5	Design coefficient and design stress	13
5.6	Change of compound formulation	13
Annex A (informative) Additional information related to the installation of PE 100-RC systems		14
Annex B (informative) LPG and manufactured gas		16
Annex C (informative) Resistance to rapid crack propagation (RCP)		17
Bibliography		19