

ISO/PAS 22101-2:2022-06 (E)

Polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications - Part 2: Pipes

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	3
5	Material	3
6	General characteristics	3
6.1	Appearance	3
6.2	Colour	3
7	Geometrical characteristics	3
7.1	Measurements	3
7.2	Mean inside diameter and out-of-roundness (ovality)	3
7.3	Wall thicknesses and their tolerances	4
7.4	Dimensions of integrated electrofusion socket	6
7.4.1	Diameters and lengths of electrofusion sockets	6
7.4.2	Wall thicknesses	8
7.4.3	Out-of-roundness of the bore of an electrofusion socket end (at any point)	8
7.5	Dimensions of integrated spigot end	8
8	Mechanical characteristics	9
8.1	Conditioning	9
8.2	Requirements	9
8.3	Additional characteristics	12
9	Physical characteristics	12
9.1	Conditioning	12
9.2	Requirements	12
10	Chemical characteristics	13
11	Marking	13
11.1	General	13
11.2	Minimum required marking of pipes	13
11.3	Electrofusion system recognition	14
12	Packaging	14
Annex A (informative)	Relationship between PS, MRS, Si and SIDR	15
Annex B (informative)	Specific characteristics for ring stiffness of polyethylene reinforced with short glass fibres (PE-sGF) piping systems for industrial applications	17

Annex C (informative) Schematic drawing of pipe wall with socket and spigot	19
Bibliography	20