

DIN EN 15632-2:2022-08 (E)

District heating pipes - Factory made flexible pipe systems - Part 2: Bonded system with plastic service pipes; requirements and test methods

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	7
4	Classification	7
4.1	Operating temperatures and service life	7
4.2	Design pressures	7
5	Requirements	8
5.1	General requirements	8
5.2	Service pipes, fittings and their connections	8
5.2.1	Quality of service pipes, fittings and their connections	8
5.2.2	Oxygen tightness of service pipes	11
5.3	Axial shear strength of pipe assemblies	11
5.4	Linear water tightness of pipe assemblies	11
5.5	Water vapour permeation of pipe assemblies	11
6	Test procedures	11
6.1	General	11
6.2	Thermal cycling test	12
6.3	Axial shear strength of pipe assemblies	12
6.4	Linear water tightness of pipe assemblies	14
Annex A (informative) Application of Miner's Rule - Calculation of the calculated design life of PB-H, PE-X and Multilayer piping systems		15
A.1	General	15
A.2	Considerations for multilayer piping systems	17
Annex B (informative) Guideline for inspection and testing		18
Bibliography		20