

DIN EN 17613:2023-08 (E)

LPG equipment and accessories - Composite piping for use with LPG in liquid phase and vapour pressure phase - Design and manufacture

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Materials	7
5	Design criteria	7
6	Environmental considerations	7
7	Testing	7
7.1	General	7
7.1.1	Introduction	7
7.1.2	Number of samples	7
7.1.3	Combined tests	8
7.1.4	Protocol for retesting	8
7.1.5	Summary of tests	8
7.2	Test methods	9
7.2.1	Internal burst pressure test	9
7.2.2	Hydrostatic strength test	9
7.2.3	Fatigue test	9
7.2.4	Fitting pull-out test	10
7.2.5	Puncture test	10
7.2.6	Permeation test	10
7.2.7	LPG compatibility test	13
7.3	Static electricity	13
7.3.1	General	13
7.3.2	Classification of pipe	13
7.3.3	Requirements for insulating plastic pipe systems	13
8	Marking pipe and connectors	13
9	Manuals	14
9.1	Product manual	14
9.2	Installation manual	14
10	Records	14
Bibliography		15