

DIN EN ISO 16486-5:2021-09 (E)

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 5: Fitness for purpose of the system (ISO 16486-5:2021)

Contents		Page
European foreword		3
Annex (informative) A-deviation		4
Foreword		5
Introduction		7
1 Scope		8
2 Normative references		8
3 Terms and definitions		9
4 Symbols		10
5 Fitness for purpose		10
5.1 Method of preparation of assemblies for testing		10
5.1.1 General		10
5.1.2 Butt fusion joints		10
5.1.3 Electrofusion jointing		10
5.1.4 Transition fittings		11
5.2 Requirements for fitness for purpose		11
5.2.1 Fitness for purpose for butt fusion joints		11
5.2.2 Fitness for purpose for electrofusion joints		12
5.2.3 Fitness for purpose for transition fittings		14
6 Design coefficient		14
Annex A (normative) Preparation of test assemblies by butt fusion		15
Annex B (normative) Preparation of test assemblies by electrofusion		18
Annex C (informative) Derating coefficients for operating temperatures		19
Annex D (normative) Rapid crack propagation (RCP) resistance of pipe at temperature less than 0 °C		20
Bibliography		21