



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 714:1994

ICS 83.140  
23.040.20

**THERMOPLASTICS PIPING SYSTEMS –  
NON-END-LOAD-BEARING ELASTOMERIC  
SEALING RING TYPE JOINTS BETWEEN  
PRESSURE PIPES AND MOULDED FITTINGS  
– TEST METHOD FOR LEAKTIGHTNESS  
UNDER INTERNAL HYDROSTATIC  
PRESSURE WITHOUT END THRUST**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800  
Tel: (01) 807 3838

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Údarás um Chaighdeán Náisiúnta na hÉireann



## DECLARATION

OF

SPECIFICATION

ENTITLED

THERMOPLASTICS PIPING SYSTEMS – NON-END-LOAD-BEARING ELASTOMERIC SEALING RING TYPE  
JOINTS BETWEEN PRESSURE PIPES AND MOULDED FITTINGS – TEST METHOD FOR  
LEAKTIGHTNESS UNDER INTERNAL HYDROSTATIC PRESSURE WITHOUT END THRUST

AS

THE IRISH STANDARD SPECIFICATION FOR

THERMOPLASTICS PIPING SYSTEMS – NON-END-LOAD-BEARING ELASTOMERIC SEALING RING TYPE  
JOINTS BETWEEN PRESSURE PIPES AND MOULDED FITTINGS – TEST METHOD FOR  
LEAKTIGHTNESS UNDER INTERNAL HYDROSTATIC PRESSURE WITHOUT END THRUST

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Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 ( No. 20 of 1961 ) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Thermoplastics Piping Systems – Non-End-Load-Bearing Elastomeric Sealing Ring Type Joints Between Pressure Pipes and Moulded Fittings – Test Method for Leaktightness under Internal Hydrostatic Pressure Without End Thrust) Declaration, 1994.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Thermoplastics Piping Systems – Non-End-Load-Bearing Elastomeric Sealing Ring Type Joints Between Pressure Pipes and Moulded Fittings – Test Method for Leaktightness under Internal Hydrostatic Pressure Without End Thrust. The Schedule comprises the text of EN 714 : 1994.

(2) The said standard specification may be cited as Irish Standard/EN 714:1994 or as I.S./EN 714:1994.



EUROPEAN STANDARD

EN 714

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 1994

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UDC 621.643.4-036.074:621.643.2-98:62-76:620.165.29

Descriptors: Pipelines, pressure pipes, plastic tubes, pipe fittings, thermoplastic resins, joining, sealing rings, rubber, fluid-tightness tests, pressure tests, hydrostatic pressure

English version

**Thermoplastics piping systems -  
Non-end-load-bearing elastomeric sealing ring type  
joints between pressure pipes and moulded  
fittings - Test method for leaktightness under  
internal hydrostatic pressure without end thrust**

Systèmes de canalisations thermoplastiques -  
Assemblages à bague d'étanchéité en élastomère  
sans effet de fond entre tubes avec pression et  
raccords moulés - Méthode d'essai d'étanchéité  
sous pression hydrostatique interne sans effet  
de fond

Rohrleitungssysteme aus Thermoplasten - Nicht  
zugfeste Verbindungen mit elastomeren  
Dichtringen zwischen Druckrohren und  
Formstücken - Prüfverfahren für die Dichtheit  
unter hydrostatischen Innendruck ohne  
Axialbeanspruchung

This European Standard was approved by CEN on 1994-04-11. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

## Foreword

This standard was prepared by CEN/TC 155 "Plastics piping systems and ducting systems".

This standard is based on the international standard ISO 3603:1977 "Fittings for unplasticized polyvinyl chloride (PVC) for pressure pipes with elastic sealing ring type joints - Pressure test for leakproofness", prepared by the International Organization for Standardization (ISO). It is a modification of ISO 3603:1977 for reasons of applicability to other plastics materials and/or other test conditions and alignment with texts of other standards on test methods.

The modifications are:

- no specific material is mentioned;
- test parameters, except those common to all plastics, are omitted;
- no material-dependent requirements are given;
- editorial changes have been introduced.

The material-dependent parameters and/or performance requirements are incorporated in the System Standard(s) concerned.

No existing European Standard is superseded by this standard.

This standard is one of a series of standards on test methods which support System Standards for plastics piping systems and ducting systems.

This European Standard shall be given the status of a National Standard, either by publication of an identical text or by endorsement, at the latest by October 1994, and conflicting national standards shall be withdrawn at the latest by October 1994.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, United Kingdom.

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