BS EN ISO 13479:2022

BSI Standards Publication

Polyolefin pipes for the conveyance of fluids — Determination of resistance to crack propagation — Test method for slow crack growth on notched pipes

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National foreword

This British Standard is the UK implementation of EN ISO 13479:2022. It is identical to ISO 13479:2022. It supersedes BS EN ISO 13479:2009, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/88/4, Test Methods - Plastic Piping.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 13479

June 2022

ICS 23.040.20

Supersedes EN ISO 13479:2009

English Version

Polyolefin pipes for the conveyance of fluids - Determination of resistance to crack propagation - Test method for slow crack growth on notched pipes

Tubes en polyoléfines pour le transport des fluides - Détermination de la résistance à la propagation de la fissure - Méthode d'essai de la propagation lente de la fissure d'un tube entaillé (essai d'entaille) (ISO 13479:2022)

Rohre aus Polyolefinen für den Transport von Fluiden - Bestimmung des Widerstandes gegen Rissfortpflanzung - Prüfverfahren für langsames Risswachstum an gekerbten Rohren (Kerbprüfung) (ISO 13479:2022)

This European Standard was approved by CEN on 19 May 2022.

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European foreword

This document (EN ISO 13479:2022) has been prepared by Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids" in collaboration with Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems” the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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The text of ISO 13479:2022 has been approved by CEN as EN ISO 13479:2022 without any modification.

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INTERNATIONAL STANDARD

ISO 13479

Third edition
2022-06

Polyolefin pipes for the conveyance of fluids — Determination of resistance to crack propagation — Test method for slow crack growth on notched pipes

Tubes en polyoléfines pour le transport des fluides — Détermination de la résistance à la propagation de la fissure — Méthode d'essai de la propagation lente de la fissure d'un tube entaillé (essai d'entaille)

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Foreword

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This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 5, *General properties of pipes, fittings and valves of plastic materials and their accessories -- Test methods and basic specifications,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 13479:2009), which has been technically revised.

The main changes are as follows:

— warnings have been added to follow the method of test piece preparation and the test procedure because of the influence on the result;

— a maximum notch radius has been specified;

— in case of premature failure, alternative test pressures and times for PE 80 and PE 100 have been added to allow retesting at a lower pressure for a longer time;

— an accelerated method by testing with an external detergent has been added.

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