

<b>STN</b>	<b>Rúry a tvarovky z plastov Skúška dekohézie odlupovaním na elektrofúzných zostavách z polyetylénu (PE) s menovitým vonkajším priemerom 90 mm alebo väčším</b>	<b>STN ISO 13954</b>  64 0853
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Plastics pipes and fittings

Peel decohesion test for polyethylene (PE) electrofusion assemblies of nominal outside diameter greater than or equal to 90 mm

Tubes et raccords en matières plastiques

Essai de décohésion par pelage des assemblages électrosoudables en polyéthylène (PE) de diamètres extérieurs nominaux supérieurs ou égaux à 90 mm

Táto slovenská technická norma obsahuje anglickú verziu medzinárodnej normy ISO 13954: 2025 a má postavenie oficiálnej verzie.

This Slovak standard includes the English version of the International standard ISO 13954: 2025 and has the status of the official version.

#### **Nahradenie predchádzajúcich dokumentov**

Táto slovenská technická norma nahrádza STN ISO 13954 z júla 2002 v celom rozsahu.

**142194**



Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2026

Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

## **Anotácia**

Tento dokument špecifikuje skúšobnú metódu na posúdenie ťažnosti rozhrania zvaraného spoja elektrofúzných hrdlových zostáv z polyetylénu určených na rozvod kvapalín v potrubných systémoch. Táto metóda je použiteľná pre zostavy s menovitým vonkajším priemerom 90 mm alebo väčším.

## **Národný predhovor**

### **Normatívne referenčné dokumenty**

Táto slovenská technická norma neobsahuje normatívne referenčné dokumenty.

### **Vypracovanie**

**Spracovateľ:** Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, Bratislava

**Technická komisia:** TK 1 Vodovody a kanalizácie

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**ISO 13954:2025(en)****Foreword**

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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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*.

This second edition cancels and replaces the first edition (ISO 13954:1997), which has been technically revised. It also incorporates the Amendment ISO 13954:1997/Amd. 1:2020.

The main changes are as follows:

- symbols have been aligned with relevant ISO documents, e.g. References [1], [2], [3] and [4];
- allowance for thickness reduction has been introduced for larger diameter fittings;
- guidance on assessment of air pockets in the fusion zone has been given in [Clause 9 g\)](#) and [Table 1](#);
- photos for fracture surface assessment have been introduced;
- the terms and definitions clause ([Clause 3](#)) has been added, and subsequent clauses have been renumbered.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Plastics pipes and fittings — Peel decohesion test for polyethylene (PE) electrofusion assemblies of nominal outside diameter greater than or equal to 90 mm

## 1 Scope

This document specifies a test method to assess ductility of the fusion joint interface of polyethylene electrofusion socket assemblies for use in pipe systems for the distribution of fluids. This method is applicable to assemblies, with nominal outside diameters greater than or equal to 90 mm.

## 2 Normative references

There are no normative references in this document.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**