



BSI Standards Publication

Plastics pipes and fittings — Utilisation of thermoplastics recyclates

Part 2: Recommendations for relevant characteristics

National foreword

This Published Document is the UK implementation of CEN/TS 14541-2:2022. Together with BS EN 14541-1:2022, it supersedes PD CEN/TS 14541:2013, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/88/1, Plastics piping for non-pressure applications.

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

This Technical Specification has been prepared by CEN/TC 155 to stimulate the use of thermoplastics recyclates.

The UK committee, PRI/88/1, supports the use of recycled materials in the manufacture of plastic piping systems. However, the UK committee voted against this Technical Specification for the following reasons.

- The intended purpose of the document is not clearly described, which could lead to its incorrect use.
- The document covers recyclates, and the term 'recyclate' excludes 'reworked material' (as defined in BS EN 14541-1:2022). The inclusion of reworked material (in clause 5.4) is not consistent with the intended use of the document.
- The cracked round bar test (CRB) included in Annex A is not yet validated for the characterization of recyclates.

The UK committee gives the following advice concerning the Scope and contents of PD CEN/TS 14541-2:2022.

- To characterize the recyclate supplied to a manufacturer for the production of pipes and fittings, a specification is agreed between the supplier of the recyclate and the manufacturer. The relevant product standard should provide sufficient information for the supplier of the recyclate and the manufacturer to prepare an agreed specification for each grade of thermoplastic recyclate.
- PD CEN/TS 14541-2:2022 is intended to support those developing product standards in CEN TC 155 by listing characteristics and associated test methods for thermoplastics recyclates (PVC-U, PVC-C, PE, PP, and ABS). For a specific application, some or all the listed characteristics should be selected; additional characteristics may also be selected.
- PD CEN/TS 14541-2:2022 is not intended to be used directly by the supplier of the recyclate and the manufacturer of the recyclate for the preparation of an agreed specification. The relevant product standard should contain sufficient information for the supplier of the recyclate and the manufacturer to prepare an agreed specification for each grade of thermoplastic recyclate and should always be consulted.
- PD CEN/TS 14541-2:2022 covers thermoplastic recyclates, defined in BS EN 14541-1:2022 as plastics material resulting from the recycling of pre-consumer and post-consumer plastics products. This does not include reworked material (previously referred to as own reprocessed material) and clause 5.4 is therefore not applicable.