

NORMA
EUROPEA

Compositi di materiali a base di cellulosa e di materiali termoplastici [comunemente chiamati compositi legno-plastica (WPC) o compositi di fibra naturale (NFC)] - Parte 1: Metodi di prova per la caratterizzazione dei compound e dei prodotti

UNI EN 15534-1

GENNAIO 2018

Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) - Part 1: Test methods for characterisation of compounds and products

La norma specifica i metodi di prova per la determinazione delle proprietà dei compositi di materiali a base di cellulosa e di materiali termoplastici, comunemente chiamati compositi legno-plastica (WPC) o compositi di fibra naturale (NFC).

In questa norma l'abbreviazione "WPC" è usata per "compositi fatti di materiali a base di cellulosa e di materiali termoplastici".

Questa parte della UNI EN 15534 è applicabile ai compound e ai prodotti cellulari o non cellulari, di materiali a base di cellulosa e di materiali termoplastici, destinati ad essere trasformati o in fase di trasformazione attraverso le tecniche di lavorazione della materie plastiche, senza soglia per il contenuto di materiale a base di cellulosa.

Per una data applicazione non sono necessariamente valutate tutte le proprietà elencate in questa parte della UNI EN 15534.

I parametri di prova e i requisiti dei metodi di prova per una data applicazione, sono specificati nella corrispondente parte della UNI EN 15534.

TESTO INGLESE

La presente norma è la versione ufficiale in lingua inglese della norma europea EN 15534-1:2014+A1 (edizione novembre 2017).

La presente norma sostituisce la UNI EN 15534-1:2014

ICS 79.080; 83.080.01; 83.140.99

EN 15534-1:2014+A1:2017 (E)

1 Scope

This European Standard specifies test methods for the determination of properties of composites made from cellulose-based materials and thermoplastics, usually called wood-polymer composites (WPC) or natural fibre composites (NFC).

NOTE For editorial reasons, in EN 15534 the abbreviation "WPC" is used for "composites made from cellulose-based materials and thermoplastics".

This part of EN 15534 is applicable to cellular or non-cellular compounds and products, made from cellulose-based materials and thermoplastics, intended to be or being processed through plastics processing techniques, without threshold for the cellulose-based material content.

All the properties listed in this part of EN 15534 are not necessarily assessed for a given application. Test parameters and requirements of the test methods for a given application are specified in the relevant part of EN 15534.

Profiles for the management of electrical power cables, communication cables and power track systems used for the distribution of electrical power, profiles for windows or doors and profiles for guttering are not covered by EN 15534²⁾.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 84:1997, *Wood preservatives - Accelerated ageing of treated wood prior to biological testing - Leaching procedure*

EN 117:2012, *Wood preservatives - Determination of toxic values against Reticulitermes species (European termites) (Laboratory method)*

EN 152:2011, *Wood preservatives - Determination of the protective effectiveness of a preservative treatment against blue stain in wood in service - Laboratory method*

EN 317, *Particleboards and fibreboards - Determination of swelling in thickness after immersion in water*

EN 321:2001, *Wood-based panels - Determination of moisture resistance under cyclic test conditions*

EN 322:1993, *Wood-based panels - Determination of moisture content*

EN 477:1995, *Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors - Determination of the resistance to impact of main profiles by falling mass*

EN 479, *Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors - Determination of heat reversion*

EN 927-3, *Paints and varnishes - Coating materials and coating systems for exterior wood - Part 3: Natural weathering test*

²⁾ Profiles that are excluded are in the scopes of standards prepared by CEN/TC 33, CENELEC/TC 213 or CEN/TC 128.