

CCS G 31



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 41488-2022

**Plastics - Prepregs - Definitions of terms and symbols for
designations**

Issued on: April 15, 2022

Implemented on: November 1, 2022

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

foreword

1 Scope

2 Normative references

3 Terms and Definitions

3.1 General terms

3.2 Materials used

foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" drafted.

This document is equivalent to ISO 8604.1988 "Plastic Prepreg Terminology Definitions and Nomenclature".

The following minimal editorial changes have been made to this document.

--- In order to harmonize with existing standards, in 3.1.1, thermoplastic resins were added;

--- In 3.2.1, the thermoplastic has been added.

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document defines the term definitions and nomenclature used in the naming, production and use of crosslinkable prepreps.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 2035-2008 Plastic terms and their definitions (ISO 472.1999, IDT)

3 Terms and Definitions

The terms and definitions defined in GB/T 2035-2008 and the following apply to this document.

3.1 General terms

3.1.1

prepreg

An intermediate product made of tow or fabric impregnated with a thermosetting resin or thermoplastic resin matrix for the manufacture of composite materials.

Note. The prepreg products are in the form of sheets, ribbons or flat strands and can be stored for later use (the thermosetting matrix usually needs to be refrigerated).

3.1.2

When cured by heating or radiation, catalysis, etc., it can become a substantially infusible and insoluble material.

3.2 Materials used

3.2.1

resin matrix resinmatrix

Thermoset or thermoplastic molding materials.

3.2.2

Reinforcement material reinforcement

A natural or synthetic material, usually in the form of fibers, added to resins to improve mechanical properties.

3.2.3

additive additive

Substances added to polymers to improve or alter their properties.

Note. In a narrow sense, the term "additive" only refers to the component added in a small amount, and a "modifier" is used when the added amount is large.

[Source. GB/T 2035-2008, 2.11, with modifications]

3.2.4

filler filler

There are relatively inert solid materials that are added to plastics to improve their strength, durability, processability, other properties, or to reduce cost.

chinastandards.org · PREVIEW