

ICS 83.080.20

CCS G 30



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

GB/T 21511.1-2008

Nano-apatite/Polyamide Composite -- Part 1: Designation

纳米磷灰石/聚酰胺复合材料 第1部分: 命名

(English Translation)

Issued on: March 13, 2008

Implemented on: August 1, 2008

Issued by: Standardization Administration of China

Table of Contents

Foreword
1 Scope
2 Normative references
3 Naming
3.2 Model
4 Chapter, Digital Group. Special needs
6 Polyamide 6 epsilon- caprolactam homopolymer

Foreword

This part of ISO 1874-1:1992 "Plastics molding and extrusion with a polyamide (PA) copolymers and homopolymers Part 1. Designation" the non-equivalent.

GB/T 21511 "nano-hydroxyapatite/polyamide compound material" is divided into the following two parts.

--- Part 1. Designation;

--- Part 2. technical requirements.

This section GB/T 21511 "nano-hydroxyapatite/polyamide composite" Part 1.

This part of the National Nanotechnology Standardization Technical Committee of nanomaterials at the Technical Committee.

This part of the National Nanotechnology Technical Committee of Standardization Technical Committee sub-nanometer material.

This section is drafted. Sichuan University (Analysis and Testing Center, nano-biomaterials research center).

1 Scope

The provisions of section 1.1 of nano-hydroxyapatite/polyamide composite materials (hereinafter referred to as "nanocomposites") naming method. The nomenclature root According polyamide type of feedstock, the type and content of the apatite nano-composite materials used in composites are named.

1.2

section applies to nano-hydroxyapatite and polyamide composite made of

nano-hydroxyapatite/polyamide composites. The nanocomposite can be used as biomedical materials, chemical raw materials and functional materials.

1.3

does not specify material specific purposes or to provide engineering data required for processing performance data.

1.4

part does not necessarily mean naming the same material with the same properties.

2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this section, however, encourage the parties to this part of the research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 1844.1-1995 Symbols of plastics and resins - Part 1. Basic polymers and their special characteristics

3 Naming

Nano-hydroxyapatite/polyamide composite material named as follows. abbreviation code + models.

Symbols of 3.1

In accordance with the provisions of GB/T 1844.1-1995, the nano-hydroxyapatite/polyamide composites abbreviation code for NA/PA (Nano-apatite/Polyamidecomposite).

3.2 Model

Model nanocomposites consists of the following sections of content, the numbers should be separated by commas group.

The first group of digits.

Polyamide type

The second group of digits. nano apatite type, Represented by letters of the alphabet

3 Digital Group. Nano apatite composite mass fraction (%), Represented by two digits

4 Chapter, Digital Group. Special needs

3.2.1 The first group of digits the numbers represented by a different group of polyamide material prepared nanocomposite type in Table 1.

Table 1 polyamide code, type and chemical composition

Code type of chemical composition

6 Polyamide 6 epsilon- caprolactam homopolymer

Polyamide 66 66 hexamethylenediamine and adipic acid polycondensate homogeneous