

ICS 83.080.20

CCS K15



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

GB/T 15065-2009

Replacing GB 15065-1994

Black polyethylene compounds for wire and cable

电线电缆用黑色聚乙烯塑料

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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About this English translation

Foreword

This standard replaces GB 15065-1994 "black polyethylene plastic wire and cable." This standard compared with GB 15065-1994 main changes are as follows:

--- Normative references are changed to date references, and references to the latest version;

--- Increase the reference standard GB/T 2951.12-2008, GB/T 2951.14-2008, GB/T 2951.41-2008, GB/T 2951.42-2008, GB/T 18251-2000;

3.2 MH (black medium density polyethylene jacket material), NMJ (black weathering medium density polyethylene insulation materials);

--- Table 2 adds NDH, LDH, GH hot air oven aging tensile strength and tensile strain requirements;

--- Factory inspection items increased "density";

--- Table 2 carbon black dispersion to ≤ 3 level;

--- Table NDH, LDH, GH, NDJ, NLDJ, NGJ the density changes;

--- Table melt flow rate of GH quality 2 to 2.0g/10min;

--- Environmental stress cracking resistance test in TX-10 20% aqueous reagent to TX-10 reagent 10% aqueous solution;

--- OIT press GB/T 2951.42-2008 carried out;

--- Carbon black dispersion according to GB/T 18251-2000 carried out;

--- Hot air oven aging increases MH, test temperature of GH;

6.3 in Table 4 is changed;

1 Scope

GB/T 15065-2009 is the Chinese national standard on black polyethylene compounds for wire and cable, in the field of rubber and plastic industries. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 15 October 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 March 2010.

Classification: ICS 83.080.20, CCS K15. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the black wire and cable polyethylene plastic (hereinafter referred to as "polyethylene cable") product classifications, requirements, test side Method, inspection rules and signs, packaging, transportation and storage. This standard applies to polyethylene resin as the main raw material carbon black, antioxidants and other additives, mixing, plasticizing and granulating the resulting polyethylene Cable.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard. 1033.1-2008 non-plastic foam density measurement GB/T Part 1. Immersion method, liquid pyknometer method and titration method (

ISO 1183-1.2004, IDT) GB /1040.3-2006 Plastics Determination of tensile properties T - Part 3. Test conditions for films and sheets (ISO 527-3. 1995, IDT)

GB/T 1408.1-2006 electrical insulating materials strength test methods - Part 1. Tests at power frequencies (IEC 60243-1.1998, IDT)

GB/T 1409-2006 Measurement of electrical insulating materials at power, audio, high-frequency (including meter wavelengths included) of the permittivity and dielectric loss Consumption factor recommended method (IEC 60250. 1969, MOD)

GB/T 1410-2006 solid insulating material volume resistivity and surface resistivity test methods (IEC 60093. 1980, IDT)

GB/T 1633-2000 thermoplastics Vicat softening temperature (VST) Determination (idt ISO 306.1994)

GB/T 2828.1-2003 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch test sample Program (ISO 2859-1.1999, IDT)

GB/T 2951.12-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 12. General test side Law

--- Thermal aging methods (

IEC 60811-1-2. 1985, IDT)

GB/T 2951.14-2008 cable and the cable Common test methods for insulating and sheathing materials - Part 14. General test side Law

--- Low temperature test (

IEC 60811-1-4. 1985, IDT)

GB/T 2951.41-2008 cable and the cable Common test methods for insulating and sheathing materials Part 41. polyethylene and polypropylene Mixed Methods specific environmental stress cracking resistance test