

ICS 83.080.20

G 32

Record No.: 30123-2011

**HG**

**PROFESSIONAL STANDARD OF THE PEOPLE'S**

**REPUBLIC OF CHINA**

**中华人民共和国化工行业标准**

HG/T 2704-2010

Replace HG/T 2704-2002

---

**Chlorinated Polyethylene**

**氯化聚乙烯**

**Issued on Nov 22, 2010**

**Implemented on Mar 01, 2011**

**Issued by the Ministry of Industry and Information Technology of the People's Republic of  
China**

## Contents

<b>Foreword</b> .....	1
<b>1 Scope</b> .....	1
<b>2 Normative references</b> .....	1
<b>3 Product classifications</b> .....	1
<b>4 Requirements</b> .....	1
<b>5 Testing methods</b> .....	2
<b>6 Inspection rules</b> .....	7
<b>7 Mark</b> .....	9
<b>8 Package, transportation and storage</b> .....	9
<b>Annex A</b> .....	10

## Foreword

This Standard supersedes HG/T 2704-2002 *Chlorinated Polyethylene*.

The main differences between the Standard and HG/T 2704—2002 are as follows:

- Modifies part of the Normative Reference Document (Chapter 2 of 2002 version, Chapter 2 of this version);
- Modifies the term "heat of fusion" to "enthalpy of fusion" (Chapter 3 of 2002 version, Chapter 3 of this version);
- Modifies the abbreviation of universal chlorinated polyethylene - PE-C as specified in GB/T 1844. 1—2008 *Plastics – Symbols and Abbreviated Terms - Part1: Basic Polymers and Their Special Characteristics* (Chapter 3 of 2002 version, Chapter 3 of this version);
- Adds model PE-C130 and its corresponding inspection items and indicators (4.2 of this version);
- Adds the "ash content" item and indicator (4.2 of this version);
- Modifies part of the indicator requirements (4.2 of 2002 version, 4.2 of this version);
- Adds "Anti-adhesive agent" (4.3 of this version);
- Adds the sample processing method for determination of mass fraction of chlorine in chlorinated polyethylene by use of light-activated calcium carbonate as anti-adhesive agent (5.2.2 of this version);
- Adds the determination method of residue on sieve, namely GB/T 21843 *Plastics - Vinyl Chloride Homopolymer and Copolymer Resins - Particle Size Determination by Mechanical Sieving*, and specifies GB/T 2916 *Plastics -- Vinyl Chloride Homopolymer and Copolymer Resins -- Sieve Analysis Using Air-jet Sieve Apparatus* as the arbitration method (5.5 of this version);
- Modifies the determination of "number of colored particles" to "number of impurity particles" (5.6 of 2002 version, 5.6 of this version);
- Adds the test method of "ash content" (5.7 of this version);
- Adds the preparation method of test piece for the determination of mooney viscosity (5.8.2 of this version)
- Modifies the provision of "the rubber-type chlorinated polyethylene (CM) uses dumbbell-shaped cutter type 2" in the tensile strength test method to "the sample uses the sample of dumbbell-shaped type 1"(5.9. 2 of 2002 version, 5.9.4 of this version);
- Modifies the direction application of method for the determination of 6 mm thick sample in the

"shore hardness" test method to the determination of Shore hardness of the sample consisting of three layers of overlying test pieces (5.7 of 2002 version, 5. 10. 4 of this version);

- Modifies the inspection rules (Chapter 6 of 2002 version, Chapter 6 of this version);
- Adds the requirements for "the production enterprises can conduct the test with the representative chlorinated polyethylene as laboratory sample in the packaging line" (6.2.2 of this version);
- Adds the requirements for the content of quality inspection report (6.3.1 of this version);
- Adds "name and content of anti-adhesive agent" in the chapter of "Mark" (Chapter 7 of this version);
- Adds the requirements of "the requirements for the measurement of net content according to 4.3 of JJF 1070-2005 (8.1 of this version);
- Add Annex A "sample processing method for determination of mass fraction of chlorine in chlorinated polyethylene by use of light-activated calcium carbonate as anti-adhesive agent"(Annex A of this version)

Annex A of the Standard is the Informative Annex.

The Standard is proposed by China Petroleum and Chemical Industry Association.

This Standard is prepared by Polyvinyl Chloride Technical Subcommittee of National Technical Committee on Polyresin Product of Standardization Administration of China (SAC/TC15/SC7).

The Standard is mainly drafted by the following units: Jinxi Research Institute of Chemical Industry, Hangzhou Keli Chemical Co., Ltd., Weifang Yaxing Chemical Co., Ltd., Hebei Jingxin Chemical Group Co., Ltd., and Jiangsu Tianteng Chemical Industry Co., Ltd.

Units involved in the drafting of the Standard: Weihai Jinhong Polymer Co., Ltd., Anhui Research Institute of Chemical Industry.

Main drafter of the Standard : Chen Peiyun, Sun Lijuan, Tan Chen, Sun Jinwei, Wang Xingwei, Liao Hanye, Yang Lei, Bai Wenye, Shi Yangqiu and Xu Ruyun.

The information concerning the issuance of previous versions of the Standard replaced by the Standard is as follows: ——HG/T 2704—1995, HG/T 2704—2002.

Please note that some content of the Standard may involve patents. The publisher of the Standard shall not bear the responsibility to identify these patents

# Chlorinated polyethylene

## 1 Scope

The Standard specifies classification, requirements, test method inspection rules and mark, packing, transportation, storage of pharmaceutical gelatin.

This Standard applies to the chlorinated polyethylene prepared after chlorination reaction of high density polyethylene (PE-HD).

## 2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 528-2009 Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties (eqv ISO 37: 2005)

GB/T 531.1-2008 Rubber vulcanized or thermoplastic - Determination of indentation hardness - Part 1: Durometer method (Shore hardness) (idt ISO 7619-1: 2004)

GB/T 1232.1 Rubber, unvulcanized-Determinations using a shearing-disc viscometer-Part 1: Determination of mooney viscosity (GB/T 1232.1-2000, neq ISO 289-1: 1994)

GB/T 2914-2008 Plastics - Homopolymer and copolymer resins of vinyl chloride - Determination of volatile matter (including water) (idt ISO 1269: 2006)

GB/T 2916 Plastic—Vinyl chloride homopolymer and copolymer resins—Sieve analysis using air-jet sieve apparatus (GB/T 2916-2007, mod ISO 4610: 2001)

GB/T 3864 Industrial Nitrogen

GB/T 6679-2003 General rules for sampling solid chemical products

GB/T 6682 Water for analytical laboratory use - Specification and test methods (GB/T 6682-2008, mod ISO 3696: 1987)

GB/T 7139-2002 Plastics--Vinyl chloride homopolymers and copolymers--Determination of chlorine content (eqv ISO 1158: 1998)

---

---

## 完整版本请在线下单

或咨询：

TEL: 400-678-1309

QQ: 19315219

Email: [info@lancarver.com](mailto:info@lancarver.com)

<http://www.lancarver.com>

---

---

## 线下付款方式：

### 1. 对公账户：

单位名称：北京文心雕语翻译有限公司

开户行：中国工商银行北京清河镇支行

账 号：0200 1486 0900 0006 131

---

---

### 2. 支付宝账户：info@lancarver.com

---

---

注：付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！

---



银联特约商户