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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 7430-2012

Replacing GB/T 7430-1996

Imaging materials -- Photographic films -- Specifications for safety film

影像材料 摄影胶片 安全胶片规范

(English Translation)

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Foreword

This standard rule according to GB/T 1.1-2009 given draft.

This standard replaces GB/T 7430-1996 "safety photographic film Specification" (identical with ISO 543:1990 "photography photographic film Safety specification sheet film, "compared with the GB/T 7430-1996 The main technical changes are as follows.

--- The standard name according to international standard name translated from the original "safety photographic film specification" with "image material photography plastic Safety specification sheet film ";

--- Increased directory;

--- Removes ISO foreword;

--- Increase the informative Appendix A.

This standard uses the translation method identical with ISO 18906:2000 "Safety film photographic film image material specification." this standard made the following editorial changes.

a) the introduction of international standards as a direct translation of the introduction of this standard;

b) to correct editorial errors.

The standard proposed by China Petroleum and Chemical Industry Association.

The photosensitive material standard by the National Standardization Technical Committee (SAC/TC102) centralized.

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This standard was drafted. China Lucky Film Group Corporation.

Introduction

Although the current situation is not in accordance with this standard manufacturing film it is very rare, if once that happens, there will be a lot of insecurity gum Sheet stored in libraries and archives due to improper handling of fire risk, long-term storage under hazardous conditions, there is a danger of spontaneous combustion Insurance, and rapid combustion characteristics, therefore, the owner of the film to provide a measurement of their film is "safety photographic film" approach is Necessary. This is the purpose of this standard.

GB/T 7430-2012/ISO 18906:2000 Imaging Materials Safety film photo film specification

1 Scope

This standard provides specifications and test methods for fire safety photographic film is determined. This standard applies to all kinds of currently known plastic support Unprocessed and processed film body.

These guidelines apply to the silver film (gelatin and non-gelatin type two), color film, diazo film, film and strips coated microbubbles and AIDS Tu Zi full width film. Does not include tapes and videotapes.

Appendix B describes the test method for field testing of combustion performance film, security film labeling methods listed in Appendix C. Appendix D

It describes a non-secure distinction nitrocellulose sheet ester group and security cellulose acetate and polyester base film base simple test methods.

2 Terms and definitions

The following terms and definitions apply to this document.

Safety photographic film by this standard ignition and combustion time trial time trial of photographic film.

3.1 Ignition time

Tested in accordance with the provisions of Chapter 4, when the ignition time is longer than 10min, this photographic film is determined by the time of ignition test.

3.2 Burning Time

When tested in accordance with the provisions of Chapter 5, equal or greater than 0.08mm thickness of photographic film, the burning time is greater than 45s, this glue the test piece is determined by the burning time.

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Photographic film thickness of less than 0.08mm, its burning time is greater than 30s, this film is determined by the burning time test.

4.1.1 Resistance furnace

There is a suitable size of the furnace electric furnace, placed under test film sample and measuring the temperature of the instrument used (4.1.2) in the furnace center.

There is a close overlapping roof cover. Cover has two diameters of 7mm and 15mm holes, two holes center distance 15mm.

4.1.2 Thermocouple

Thermocouple inserted into the reactor from the hole on the lid (4.1.1) within which the lead wire coated with an insulating layer, tightly fixed to the hole in the roof.

GB/T 7430-2012/ISO 18906:2000

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