

Classification code: G33

File No.: 7573-2000

QB

LIGHT INDUSTRY STANDARD OF PEOPLE'S REPUBLIC OF
CHINA

中华人民共和国轻工行业标准

QB/T 2490-2000

Polyethylene (PE) Extruded Sheets

聚乙烯 (PE)挤出板材

Issued on September 08, 2000

Implemented on February 01, 2001

Issued by China Light Industry Association

Contents

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Product classification	4
4 Requirements	4
5 Test method.....	6
6 Test rules	8
7 Marking, packaging, transport, and storage.....	11

Foreword

This standard is a revision to ZBG 33007-1989 Polyethylene Extruded Sheets (this standard has its number changed to be QB/T 3630-1999 by the Business Management Division of State Bureau of Light Industry [1999] No. 112 Document, with the same contents as before). This standard is not equivalent to Deutsche industry norm DIN 16925-1987 *High-density Polyethylene (HDPE) Extruded Sheet: Technical Delivery Conditions*.

There have been some changes in this standard over the original one in the geometrical dimensions of tensile test pieces and simply supported beam impact test pieces, and the index of elongation at break is rejected.

This standard is proposed by the Business Management Division of State Bureau of Light Industry.

This standard is under the jurisdiction of the National Center for Standardization of Plastic Products.

This standard is drafted by Beijing Plastics Research Institute.

Main drafters of this standard: Yu Peilin, Liu Xiaohui.

The industry standard QB/T 3630-1999 Polyethylene Extruded Sheets issued by the State Bureau of Light Industry is annulled from the implementation date of this standard.

Light Industry Standards of the People's Republic of China

Polyethylene (PE) Extruded Sheets

QB/T 2490-2000

Replacing QB/T 3639-1999

1 Scope

This standard specifies the product classification, requirements, test methods, test rules, and marking, packaging, transport, and storage of extruded polyethylene sheets.

This standard is applicable to the sheets shaped by extruded polyethylene resins (hereinafter called "sheets").

2 Normative references

The following normative documents contain provisions, which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

GB/T 1033-1986 Test method for density and relative density of plastics

GB/T 1040-1992 Plastics--Determination of tensile properties

GB/T 1043-1993 Plastics--Determination of charpy impact strength of rigid materials

GB/T 2828-1987 Sampling procedures and tables for lot-by-lot inspection by attributes (apply to inspection of successive lots or batches)

GB/T 5009.60-1996 Method for analysis of hygienic standard of products of polyethylene polystyrene and polypropylene for food packaging

GB 9687-1988 Hygienic standard for polyethylene products used as food containers and tablewares

3 Product classification

The sheets fall into two categories in terms of density:

Low-density sheets: $0.919\text{g/cm}^2 \sim 0.925\text{g/cm}^3$;

High-density sheets: $0.940\text{g/cm}^2 \sim 0.960\text{g/cm}^3$

4 Requirements

4.1 Specifications

The specifications and limit deviations of sheets are shown in table 1.

Table 1

mm

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