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Safety requirements for plastics blow moulding machines

塑料中空成型机安全要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

This document is under the jurisdiction of the National Rubber and Plastics Machinery Standardization Technical Committee (SAC/TC71).

This document was drafted by: National Plastic Machinery Product Quality Supervision and Inspection Center, Suzhou Tongda Machinery Co., Ltd., Jiangsu Vinda Machinery Machinery Co., Ltd., Shandong Tongjia Intelligent Equipment Co., Ltd., Suzhou Jinwei Hollow Technology Co., Ltd., Guangdong Leshan Intelligent Equipment Co., Ltd.

Company, Shandong Standardization Association, Beijing Rubber Industry Research and Design Institute Co., Ltd., Ningbo Jingde Intelligent Equipment Co., Ltd., Qingdao University of Science and Technology, Dalian Plastic Machinery Research Institute.

The main drafters of this document are: Zheng Ji, Ma Xiaogang, Xu Wenliang, Liu Jing, Dai

Qiang, Fang Anle, Guo Xinan, Zhao Zhongtao, He Cheng, Wang Gengxin, Lu Jianguo, Wang Chuansheng, Wang Jinxia, and Yang Hong.

Introduction

According to the classification of GB/T 15706, this document belongs to Class C standard.

This document is particularly relevant to the following stakeholders involved in machinery safety.

- Machine manufacturer;
- Health and safety agencies.

Other stakeholders affected by the level of machinery safety are.

- Machine users;
- Machine owner;
- Service providers;
- Consumer (when the machine is intended for use by a consumer).

All of the above stakeholders may participate in the drafting of this document.

The machines involved and the range of hazards, hazardous situations and hazardous events covered are given in the scope of this document.

When the requirements of this document differ from those in Category A or Category B standards, For devices, the requirements of this document take precedence over those in other standards.

Safety requirements for plastic blow molding machines

1 Scope

This document specifies the plastic hollow molding machine (including plastic extrusion blow molding machine, plastic extrusion blow molding machine, plastic injection molding machine Safety requirements for the design and manufacture of blow molding machines, plastic injection stretch blow molding machines, and blow molding machines that directly blow mold the parison and conformity verification, giving information on safe use of the machine.

This document is applicable to the processing of plastic blow molding machines throughout their life cycle (see 5.4 in GB/T 15706-2012).

All the consequences of the use of the plastic blow molding machine that may arise during the use of the machine and in the event of misuse that is reasonably foreseeable by the manufacturer.

Major hazards, hazardous conditions and hazardous incidents (see Appendix A).

NOTE. This document does not cover the design requirements for auxiliary equipment and the exhaust ventilation system itself, nor the hazards arising from the use of fluorine or other toxic substances.

2 Normative references

GB 2894

GB/T 3766

GB/T 3767

GB/T 3768

GB/T 5226.1-2019

GB/T 5563-2013

GB/T 7932

GB/T 8196

GB/T 9574-2017

GB/T 14574

GB/T 15706-2012

GB/T 16404.2

GB/T 16538

GB/T 16754

GB/T 16855.1

GB/T 17248.2-2018

GB/T 17248.3-2018

GB/T 17248.5-2018

GB/T 17454.1