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

GB 38262-2019

Flammability of interior materials for buses

客车内饰材料的燃烧特性

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Foreword

All the technical content in this Standard is mandatory. This Standard was drafted in accordance with the rules in GB/T 1.1-2009. This Standard was proposed by and shall be under the jurisdiction of Ministry of Industry and Information Technology of People's Republic of China. The drafting organizations of this Standard. Technical Center of China FAW Group Corporation; China Highway & transportation Society, Bus Branch; Sichuan Research Institute of Ministry of Public Security; National Bus Quality Supervision and Inspection Center; Zhengzhou YUTONG Group Co., Ltd.; Institute of Flame Retardant of China; Xiamen Golden Dragon Co., Ltd.; Brilliance Auto Group; Jinhua YOUNG MAN Automobile Group; FOTON Motor Group; Zhong Tong Bus Holding Co., Ltd.; Xiamen King Long United Automotive Industry Co., Ltd.; King Long United Automotive Industry (Suzhou) Co., Ltd.; Changchunshi HOSLY Apply Technique Graduate School; Tianjin Fire Research Institute of the Ministry of Public Security; National Automobile Quality Supervision and Test Center (Xiangyang); Zhejiang HIGHTEX Fabric Co., Ltd.; Hangzhou XIANGJUN Textile Flame Retardant Technology Co., Ltd.; Jiangsu CHANGDA Environmental Protection Technology Co., Ltd.; Tianjin Fu-Automotive Components Co., Ltd.; WANHUA Energy Conservation Technology Group Co., Ltd.; Armacell Thermal Insulation Materials (Guangzhou) Co., Ltd.; Anhui KINGSEN Automobile Decoration & Design Co., Ltd.; Danyang Vehicle and Vessel Decoration Co., Ltd.; China Automotive Engineering Research Institute Co., Ltd.; China Highway Vehicle & Machinery Co., Ltd.; Puyang GREENCOS New Material Technology Co., Ltd.; Fujian HUAYANG Microfiber Co., Ltd. The main drafters of this Standard. Li Jinghua, Changhong, Yang Zhaoguo, Hu Xuanru, Lvwei, Xie Letao, Chenjie, Diaowei, Wu Zhenguo, Zhou Zhengmao, Lin Jianlong, Lizhi, Yu Qikui, Liang

Zhengbao, Liu Xianwu, Lan Qiyong, Liu Qinghua, Jiang Jianhua, Zhangzhe. Flammability of Interior Materials for Buses

1 Scope

GB 38262-2019 is the Chinese national standard on flammability of interior materials for buses, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 14 October 2019 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2020. Classification: ICS 13.220.40, CCS T09. 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 stipulates the terms and definitions, technical requirements, test methods and the requirements of implementation date of flammability of interior materials for buses. This Standard is applicable to the assessment of flammability of interior materials for Type-M2 and Type-M3 buses. This Standard does not include electrical devices (various electric appliance modules, such as air conditioning assembly control switch, wiring harness, electric appliance control panel, navigator, radio, DVD module and driving combination meter), lamps, airbags (curtains), bathroom accessories (such as toilet, washbasin and water tank) and laminboard whose external layer is metallic material and internal layer is non-metallic material.

2 Normative References

The following documents are indispensable to the application of this document. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 2406.2-2009 Plastics - Determination of Burning Behavior by Oxygen Index - Part

2.Ambient-temperature Test (ISO 4589-2.1996, IDT);

GB/T 2918 Plastics - Standard Atmospheres for Conditioning and Testing;

GB/T 5454 Textiles - Burning Behavior - Oxygen Index Method (GB/T 5454-1997, neq ISO 4589.1984);

GB 8410 Flammability of Automotive Interior Materials;

3 Terms and Definitions

The following terms and definitions are applicable to this document.

3.1 Bus Bus refers to passenger-carrying vehicle whose seating capacity exceeds 9 seats, including the driver's seat.

3.2 Horizontal Burning Fixate sample on a horizontal fixture; expose one end in the stipulated test flame. Through the determination of the burning speed, evaluate the sample's horizontal burning behavior.

3.5 Density of Smoke Density of smoke refers to the measurement of material's smoke amount under the stipulated test conditions. It shall be expressed in light intensity attenuation through smoke.

4 Technical Requirements

4.1 Classification of Materials Interior materials for buses shall be classified in accordance with applied materials, included components and application areas, as it is shown in Table 1.

4.2 Technical Requirements

4.2.1 General requirements Interior materials that satisfy the requirements of this Standard shall be deemed as satisfactory with the requirements in GB 8410.

5 Test Methods

5.1 Conditioning Before tests, samples shall be placed for over 24 h in accordance with the stipulations in GB/T 2918, and under the conditions of standard ambient temperature (23 ± 2) °C, relative humidity (50 ± 5) %.

5.5 Oxygen Index

5.6 Density of Smoke The test of density of smoke shall be conducted in accordance with the stipulations in GB/T 8627. The test result shall be determined in accordance with the grade of smoke density.

6 Implementation Date

In terms of vehicle models with newly applied type approval, this Standard shall be implemented since the date of implementation.