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

GB/T 524-2007

Replacing GB/T 4489-2002; GB/T 524-2003

Flat transmission belt

平型传动带

(English Translation)

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Foreword

This standard corresponds to British Standard BS351. 1976 (1985) "Rubber, Balata, general-purpose plastic skeleton fabric flat transmission with norms "(in English), with BS351. 1976 (1985) non-equivalent.

This standard replaces GB/T 524-2003 "flat belt", GB/T 4489-2002 "flat belt dimensions and tolerances" two standard.

This standard BS351. 1976 (1985) The main differences are as follows.

--- Removed Balata off to allow parallel belt requirements, because no such domestic types of plastic;

--- Remove the flat belt predetermined size, and the use of ISO 22:1991 "belt drive flat belt pulley and dimensional tolerance" for flat with a predetermined size, and end with a length deviation has increased, the thickness of the lateral deviation peace with straightness;

--- Remove the "belt design parameters and computing," "challenge data and should be ordered to provide the" two appendices;

--- According to the specific circumstances of the country, reducing the number of test samples;

After --- conveyor according to the latest international test method standards, the test shall be made not less than 24h flat band performed, the time 8h including state regulation; instead of not less than five days and not less than three days conditioning;

--- According to domestic standards, increase the marking, packaging, transportation and storage requirements.

This standard and GB/T 524-2003 and GB/T 4489-2002 compared to the main changes are as follows.

--- The GB/T 524-2003 and GB/T 4489-2002 standard two merger;

--- Remove GB/T 4489-2002 in the foreword and scope (the 2002 edition of the Preface and Chapter 1).

This standard Annex A, Annex B, Appendix D and Appendix E for the normative appendix, Appendix C is informative appendix.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard tape by the chemical industry Standardization Technical focal point.

This standard was drafted. Zhejiang Hongda Rubber Co., Ltd., Qingdao Rubber Industry Research Institute, Jiangyin Tianxiang plasticizing system with Limited.

1 Scope

This standard specifies the material fabric and fabric bonding material (such as rubber, plastic) flat belt (referred to as "flat band"), and Structure and specifications, requirements, test methods, inspection rules and signs, packaging, storage and transport.

This standard applies to a fabric structure for transmitting power under specified conditions of use a flat belt.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 532 vulcanized rubber or thermoplastic rubber and fabric adhesive strength was measured (GB/T 532-1997, idt ISO 36:1993) GB/T 11210 vulcanized rubber antistatic and conductive products - Determination of electrical resistance (GB/T 11210-1989, eqv ISO 2878. 1987) GB/T 17200 Rubber Plastic tensile, compression, bending test machine technical requirements (GB/T 17200-1997, idt ISO 5893.

1993)

3 Materials and Structures

3.1

flat belt made of rubber and plastic coated with one or several layers of cloth or fabric as a whole constitute the entire flat belt should be a uniform method or sulfide melt Into one. Flat canvas made by the band called flat canvas belt, canvas belt can be used flat edging or

trimming type structure shown in Figure 1 (in Containing four flat canvas belt as an example).

1 Schematic diagram canvas flat belt

3.2

For flat belt package distributed structure, generally no sealing surface is a transmission surface (ie use in contact with the flat belt pulley side).

4.1 Tensile strength specifications

Tensile strength refers to the whole flat belt thickness tensile strength. Flat belt tensile strength specifications as shown in Table 5 in the first column.

Width 4.2 specifications Flat width specifications categorized as shown in Table 1.