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

GB/T 31256-2014

**Conveyor belts -- Specification for rubber-or plastics-covered
conveyor belts of textile construction for underground mining**

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses the translation method identical with ISO 22721.2007 "conveyor belt having a rubber or plastic coating layer fabric for underground mining

Conveyor belt specification "(in English).

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

GB/T 528-2009 vulcanized rubber or thermoplastic rubber tensile stress strain properties (ISO 37.2005, IDT);

GB/T 3512-2001 vulcanized rubber or thermoplastic rubber hot air and heat accelerated aging test (eqv ISO 188.1998);

GB/T 3690-2009 Conveyor belts - Full thickness tensile strength, elongation at break and the reference force elongation test method

(ISO 283.2007, IDT);

Strength test between GB/T 6759-2013 conveyor belt adhesive layer (ISO 252.2007, IDT);

GB/T 7983-2013 conveyor laterally flexible (troughability) test method (ISO 703.2007, MOD);

GB/T 12736-2009 conveyor belts - Test method for static mechanical joint strength (ISO 1120.2002, IDT);

HG/T 2410-2006 conveyor belt sample (ISO 282.1992, IDT).

The standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Standardization Technical Committee pulley and the belt conveyor Technical Committee (SAC/TC428/SC1) centralized.

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Conveyor belt having a rubber or plastic coating layer

Underground mining conveyor belt fabric specification

WARNING. Users of this standard should be aware that the relevant EU standards EN14973 contained conductivity and flammability safety requirements, which

Specified in the underground conveyor equipment with various safety categories. In underground mining involves the purchase contract with the belt, it must be clearly defined

Shall comply with the requirements of this standard and EN14973. When using a conveyor belt, but also noted that local regulations on safety requirements.

1 Scope

This standard specifies the time when running on a flat roller or groove roller, with rubber or plastics covered with fabric underground mining

The conveyor belt should comply with the norms. This standard does not apply to light conveyor ISO 21183-1 requirements.

This standard does not include a plastic overlay requirements. This need to reach by the manufacturer and the purchaser in accordance with the type of plastic used protocol.

Appendix A is not in the relevant provisions of the standards, but it is recommended producers and purchasers of contents agreement.

Appendix B indicates the detailed requirements with recommendations purchaser at the time of the purchase offer.

Whether straight conveyor run only after the installation to get evaluated. Accordingly, this requirement is beyond the scope of this standard. But attached

Appendix C gives a recommendation on the run with the amount of deviation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein

Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 9867-2008 Rubber, vulcanized or thermoplastic - Determination of abrasion resistance (abrasion rotating cylindrical drum machine method) (ISO 4649.

2002, IDT)

ISO 37 Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties (Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties)

ISO 188 vulcanized rubber or thermoplastic rubber hot air and heat accelerated aging test (Rubber, vulcanized or thermoplastic - Accelerated ageing and heat resistance tests)

ISO 252 between the belt layer adhesion strength test method (Conveyor belts - Adhesion between constitutive elements - Test methods)

ISO 282 sampling conveyor (Conveyor belts - Sampling)

ISO 283 Conveyor belts - Full thickness tensile strength, elongation at break and the reference force elongation test method (Textile conveyor belts - Full thickness tensile strength, elongation at break and elongation at the reference load - Test method)

ISO 583 fabric conveyor belt and the total thickness of the layers with a thickness of the test method (Conveyor belts with textile

carcass - Total belt thickness and thickness of constitutive elements - Test methods)

ISO 703 laterally flexible conveyor (troughability) Test Method [Conveyor belts - Transverse flexibility (Troughability) - Test method]

ISO 1120 Standard Test Method for Determination of static mechanical conveyor belt joint strength (Conveyor belts - Determination of