



ZHENGZHOU BAI-OTT NEW MATERIAL CO.,LTD

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Details of Ceramic Pulley Lagging



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01. Description of Ceramic Pulley Lagging

Ceramic Pulley Lagging material is made of wear-resistant rubber sheet embedded into 20mm×20mm highly anti-abrasion aluminum oxide ceramic blocks, on whose surface particles attach.

It can provide distinguished grasping force between driving roller and conveyor belt. It can accommodate to all kinds of muddy, humid and sticky working environment, also work well to solve severe wear and slipping problems of driving wheel, tailing wheel, tension pulley and roller, ensuring the conveyor belt running well.

02. Application environment

- Pulley lagging under most serve environment
- Driving wheel
- Tail wheel
- Convey varieties of humid, sticky, muddy and highly wearing materials
- Highly intensity and tension conveyor system

03. Product characteristics

- Ceramic blocks containing 92% aluminum oxide embedded into rubber sheet.
- Single or double, plane or convexity ceramic can be chosen.
- Rubber sheet basement is SUPER60.
- Abundantly elastic basement rubber can protect conveyor belt well.
- Most excellent anti-abrasion performance.

04. Performance parameters

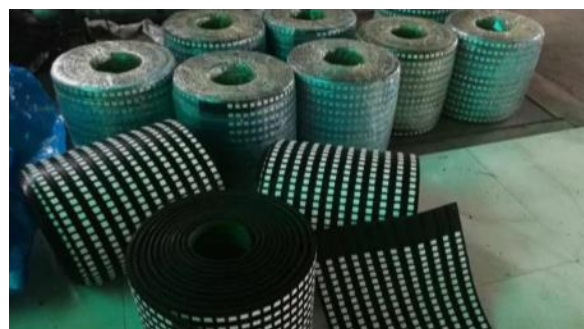
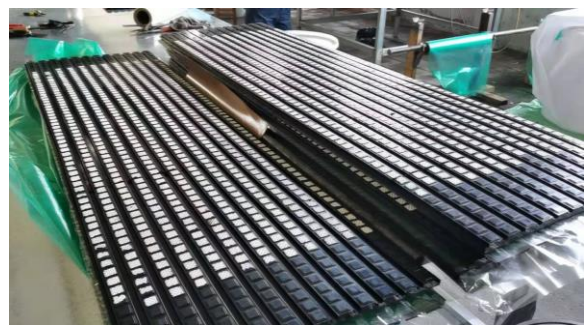
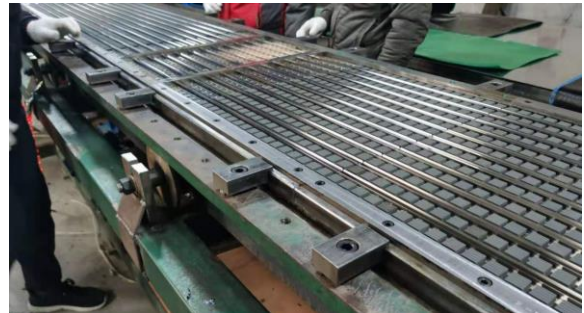
Aluminum Oxide(min)Al ₂ O ₃	92%
Specific Gravity	>3.7
Hardness(Moh ,s)	>9t
Tensile Strength(Mpa)	20.0
Comp.Strength(Mpa)	200
Flexural Modulus(Mpa)	32.0
Water Absorption	0%
Polymer	NR/SBR
Specific Gravity	1.13+/-0.03
Shore Hardness°A	60+/-5
Elongation at break%Min	450%
Tensile Strength	17.5N/mm ²
Abrasion Loss	150mm ² at10N

05. Comparative advantage

1. The adhesive surface of the ceramic pulley lagging has a semi-vulcanized layer, and it does not need to be polished when used.
2. Compared with ordinary rubber lagging sheet, our ceramic rubber plate has higher wear resistance and tensile strength.



06. Production process



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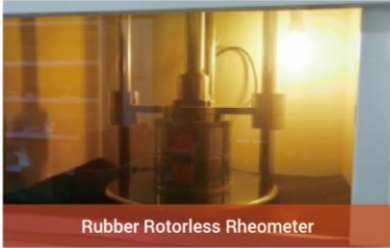
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07.Laboratory testing



Rubber Rotorless Rheometer



Ceramic block strength test



Rubber abrasion test



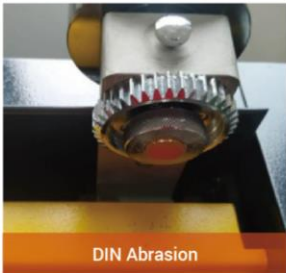
Tensile Strength



Vulcanizing Press Machine



Rubber mixing machine



DIN Abrasion



Rubber Fatigue Crack Tester



Tensile Strength



Rubber mixing machine



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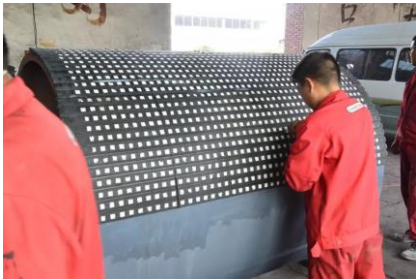
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08. Construction Cases



Tongling Nonferrous Metal Group



Jincheng Anthracite Mining



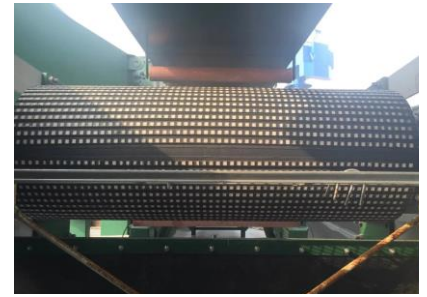
ShenHua Group



Chinalco international

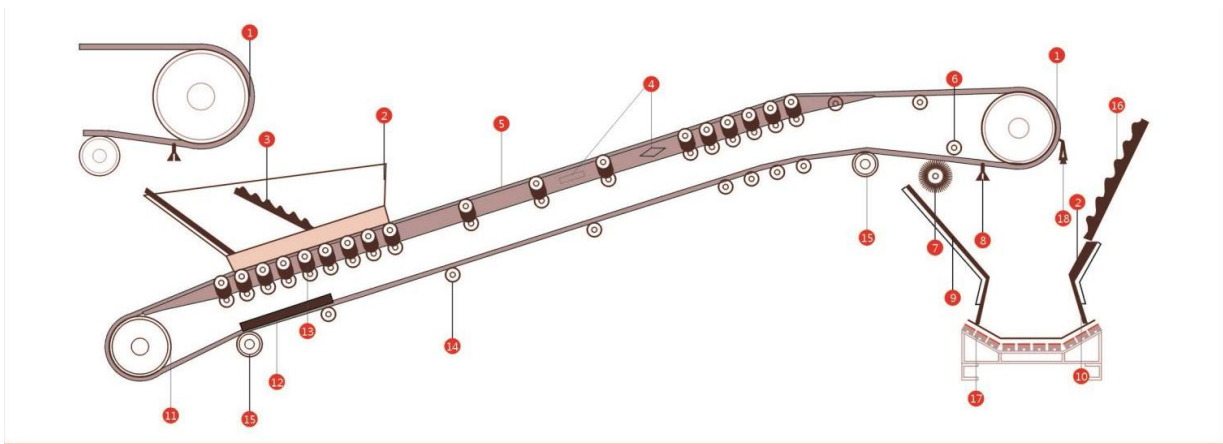


Huadian operation co., ltd



China Color International Trade

8. Other products



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