

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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UPE Wear-resisting Guide Rail



1. Advantages of UPE Wear-resisting Guide Rail

- 1) Odorless and tasteless, safe and environmental protection, contact with food and medicine
- 2) Excellent heat resistance (softening point 120-125℃) and cold resistance (embrittlement temperature - 70 ℃)
- 3) The products are self-lubricating, wear-resistant, ranking first in plastics and surpassing some metals
- 4) Excellent electrical insulation
- 5) Good chemical stability, insoluble in any organic solution at room temperature, acid, alkali, salt resistant
- 6) Very low water absorption and water vapor transmittance
- 7) Tensile strength: the product has unmatched ultra-high tensile strength, up to 3-3.5gpa, and tensile modulus of elasticity up to 100-125gpa
- 8) Ultra high molecular weight polyethylene (UHMW-PE) has good aging resistance and longer service life
- 9) By adding flame retardant, the product has good flame retardancy. It will extinguish quickly 3-10 seconds after leaving the fire source, without dripping or generating harmful gases
- 10) Good adhesion resistance, easy to clean
- 11) Impact strength reaches 150kj / m² without cracking

2. Brief description of UPE Wear-resisting Guide Rail

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After the wear resistance of ultra-high molecular polyethylene (UPE) guide rail was found, it is unique in the wear-resistant plastic products, and it is a very good choice in the industrial wear products. The product has very high self-lubricating performance, which makes the positive blanking smooth. After adding a variety of improvers, the product's wear resistance and impact resistance are very superior, which are 200 times of the ordinary polyethylene products. These characteristics of the product determine its wide application, such as the raw coal bunker, the lower coal bunker, the mixed stock bunker of the steel industry, the upper and lower stock bunker of the coking plant, etc

3. Application scope: electric power, port and wharf, coking, coal, steel, paper, textile, chemical, medical and other industries

4. Main performance parameters

ITEM	UNIT	TECHNCIAL INDEX
Wear resistance, Abrasion index of sand slurry		1 / 5 of PA66, 1 / 10 of PVC, 1 / 7 of carbon steel, 1 / 27 of brass
Service life		3-7 times of carbon steel and stainless steel
Lubricity		Good self-lubricating performance
Tensile strength	Gpa	3-3.5
Impact strength	Kj/m2	150
Corrosion resistance		Acid and alkali salt resistant
Environmental protection		Odorless and tasteless

5. Good feedback of product use effect, the products have been exported to Australia, Oman, Mexico

6. We are a professional supplier, who can provide customers with free product technology, use and other issues.

Do you want to find a professional supplier of refractory products?

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Do you want to find a professional supplier of graphite electrodes?

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