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Product Brochure



BALL MILL MEDIA

Polyurethane coated iron core grinding ball

Polyurethane coated iron core grinding ball for material mixing, damping plates, stamping, and die-cutting. Offers high insulation and long service life for heavy machinery and demanding applications.

<https://www.planetaryballmills.com/products/grinding-series/ball-mill-media/polyurethane-coated-iron-core-grinding-ball.html>



Product Overview

Polyurethane coated iron core grinding ball for material mixing, damping plates, stamping, and die-cutting. Offers high insulation and long service life for heavy machinery and demanding applications.



Product Introduction

Polyurethane grinding balls are mainly used for mixing materials, wrapping the iron core with polyurethane.

Polyurethane grinding balls are widely used in vibration damping plates of heavy machinery, blanking, stamping, sheet metal calibration and fields with high requirements on insulation and lifespan.

Polyurethane grinding balls are used in our planetary ball mills, drum ball mills, stirring ball mills and other ball mills to finely grind and disperse materials.





Technical parameters

diameter: Φ 15mm- Φ 30mm

Main ingredients: Iron core + outer polyurethane

Density (g/cm³): Variable, overall somewhere between iron and plastic

hardness: Low, depending on polyurethane Shore hardness, usually ~HS 80-95A

Wear resistance (wear rate): Good, resistant to tearing, but will wear out over time

Contamination risk: , the core will be exposed after the outer layer is damaged

Main application areas: Coarse grinding or mixing with buffering and noise reduction requirements, such as pigment pre-dispersion and slurry homogenization.

*** The above parameters are for reference only. The specific parameters are subject to actual conditions or customized parameters can be customized according to**

special requirements.;

Product Features

1. High wear resistance
2. Resistant to chemical corrosion
3. Good tensile strength
4. High elasticity
5. Resistant to high pressure load
6. Strong shock absorption
7. Tear resistant
8. Radiation resistance
9. High strength, high load-bearing and shock-absorbing buffering
10. Good adhesion to metal and a wide hardness range, from Shore A10-100.

Accessories & Customization

Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.