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淄博博迈陶瓷材料有限公司

淄博博迈陶瓷材料有限公司创建于“中国新材料名都”淄博市。致力于氧化锆陶瓷微珠,硅酸锆陶瓷微珠,氧化铝陶瓷球,化工填料球,耐磨氧化铝衬板(衬片)、衬砖,二合一/三合一陶瓷橡胶复合板、耐磨陶瓷管道弯头、耐磨陶瓷胶等工业陶瓷的研发、生产、推广。公司拥有一支以国家级材料专家为核心的尖端技术队伍,致力于发展成为具有全球影响力的特种陶瓷制造企业。

公司拥有全自动高温隧道窑生产线,拥有国内领先的生产规模、装备水平和研发能力。公司利用自主开发的生产工艺生产的氧化锆陶瓷微珠,硅酸锆陶瓷微珠和氧化铝陶瓷球质量稳定,被广泛应用于非金属矿的湿法超细研磨以及涂料、油漆、油墨、农药、制药、钛白粉、电子材料、特种化工等行业的超细粉体研磨和分散。化工填料球广泛应用于化工行业高温高压、腐蚀性强的工作环境中,是石油、化工行业中转化炉、反应炉、填料塔中理想的填料。公司通过了ISO9001质量管理体系的认证,质量体系的持续有效运行和不断改进,保证了公司的产品质量居于国内领先水平。

我们的团队在行业内拥有丰富的经验,利用我们产品的优势,为客户提供切实有效的超细粉体研磨和分散的解决方案,增加客户在其行业内的竞争优势。博迈秉承创新,合作,敬业的精神,始终是您可信赖的事业伙伴。

Zibo BOMAI Ceramic Materials Co.,Ltd

Zibo BOMAI Ceramic Materials Co.,Ltd (In short:BOMAI) is a noted manufacturer, exporter and supplier of industrial ceramics and wear-resistant materials etc. We have been successful carving a niche in the international market due to excellent quality of our products.

As an ISO-9001 certified enterprise,BOMAI offer a wide range of industrial ceramics and wear-resistant materials etc. Each one with its original technology designed to meet the requirements of many diverse applications.

Based on continuous technology innovation and advanced quality management, benefited from the advantages of made in China, BOMAI would like to make profits for every customer.

耐磨氧化铝陶瓷研磨球

Wear-resistant ceramic aluminium grinding ball



适合设备】球磨机、搅拌磨、剥片机、抛光机和砂磨机等各类设备的磨介。

【Applicable Equipment】 Ball Stirred mill, Stripping machine, Polishing machine ,Sand mill etc.

【产品特点】磨耗小、硬度高、耐腐蚀、抗冲击、经济实用。

【Product Features】 Low abrasion, High hardness, Corrosion resistance, Impact resistance , Economical and Practical.

品名 Series	BMGA280	BMGA320	BMGA360	BMGA370	BMGA375
Al ₂ O ₃ (%)	60±0.5	75±0.5	92±0.5	90±0.5	95±0.5
莫氏硬度 Hardness(Mohs)	7	8	9	9	9
体积密度 Bulk density(g/cm ³)	> 2.8	> 3.2	> 3.6	> 3.7	> 3.7
磨耗 Self wearing rate%	< 0.2	< 0.15	< 0.1	< 0.05	< 0.1
直径尺寸 Dimension(mm)	Φ1-60	Φ1-60	Φ0.5-90	Φ1-90	Φ1-90

高纯氧化铝填料球
High-purity Alumina Filler

常用规格/ Specification Available :

Sepc.	mm	φ3	φ6	φ8	φ10	φ13	φ19	φ25	φ50
	inch	1/8"	1/4"	3/10"	3/8"	1/2"	3/4"	1"	2"

注：可根据客户要求制作不同规格的产品。

Note: It's able to make the products in different specifications as customer's requirement.



品名 Series	BMTL80	BMTL90	BMTL95	BMTL99
Al ₂ O ₃ (%)	≥80	≥90	≥95	≥99
Bulk density(g/cm ³)	2.5-2.8	≥2.8	≥3.1	3.3-3.7
Water absorption (%)	≤5	≤5	≤5	≤5
Compresstion strength φ 13mm/(N)	≥1500	≥2000	≥3500	≥6000
Shock resistance	Good	Good	Good	Good
Color	White	White	White	White

耐磨氧化锆系列 Wear-resistant Zirconium Series
硅酸锆球、氧化锆增韧氧化铝复合球



品名 Series	Zirconium Silicate Ball (RSE)	Zirconium Toughened Aluminum Composite Ball (ZTA)			
	BMGG410	BMTA320	BMTA380	BMTA450	BMTA470
ZrO ₂ (%)	54±0.5	10±0.5	15±0.5	60±0.5	70±0.5
莫氏硬度 Hardness(Mohs)	8	7	8	8	8
体积密度 Bulk density (g/cm ³)	> 4.1	> 3.2	> 3.8	> 4.5	> 4.7
磨耗 Self wearing rate (‰)	< 0.01	< 0.02	< 0.015	< 0.01	< 0.008
直径尺寸 Dimension(mm)	Φ1-20	Φ1-10	Φ1-10	Φ1-10	Φ1-10

【适合设备】球磨机、搅拌磨、抛光机和砂磨机等各类设备的磨介。

【Applicable Equipment】 Ball Stirred mill, Stirred mill , Stripping machine, Polishing machine ,Sand mill etc.

【产品特点】磨耗小、增韧、耐腐蚀、抗冲击、经济适用。

【Product Features】 Low abrasion,Toughening , Corrosion resistance, Impact resistance , Economical and Practical.

钇稳定氧化锆珠

Yttrium Stabilized Zirconia Beads



品名 Series	Yttrium Stabilized Zirconia Beads	Cerium Stabilized Zirconia Beads
	BMYG600	BMSG620
ZrO2(%)	95±0.5	80±0.5
莫氏硬度 Hardness(Mohs)	9	8
体积密度 Bulk density(g/cm3)	> 6.0	> 6.1
磨耗 Self wearing rate	2ppm	4ppm
直径尺寸 Dimension(mm)	Φ1-50	Φ1-10

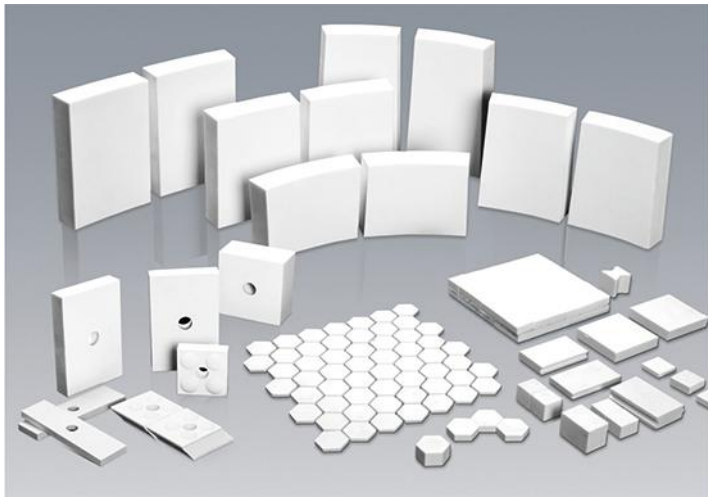
铈稳定氧化锆珠

Yttrium Stabilized Zirconia Beads



【适合设备】 球磨机、搅拌磨和砂磨机等各类设备的磨介。
【Applicable Equipment】 Ball Stirred mill, Stirred mill ,Sand mill etc.
【产品特点】 ppm 级磨耗、比重大、高韧性、抗冲击、不破碎。
【Product Features】 PPM abrasion grade ,Large specific gravity,High toughness,no crackle.

耐磨陶瓷衬板 Wear resistant ceramic lining



【产品特点】氧化铝耐磨衬板具有高韧性、高抗弯强度和高耐磨性，应用于高端抗磨领域。
【 Product Features 】 High hardness,Super abrasion-resistance,Excellent compact resistance,Corrosion resistance ,Regular and smooth shape,High stability,easy to handle.It can be applied in all kind of industrial wear areas.

品名 Series	BM92	BMT95	BMZTA	BMZR
Al ₂ O ₃ (%)	92±0.5	95±0.5	74±0.5	-
ZrO ₂ (%)	-	-	25±0.5	94.8±0.5
抗弯强度 Bending strength (MPa)	> 220	> 280	> 400	> 1000
断裂韧性 Fracture toughness (MPam ^{1/2})	> 3.6	> 3.9	> 7	> 12
洛氏硬度 Rockwell hardness (HRA)	> 82	> 88	> 90	> 88
磨损体积 Loss bulk (cm ³)	< 0.5	< 0.3	< 0.15	< 0.1
体积密度 Bulk density (g/cm ³)	> 3.6	> 3.7	> 4.1	> 5.9

【应用领域】广泛应用于钢铁、热电、水泥、煤炭、矿山、港口、化工等行业中物料输送设备、料斗、管道、弯头、阀门、风机叶片、溜槽、球磨机、给料机、选粉设备、球磨设备等抗磨工况。

【 Application field 】 Wear resistant ceramic lining are widely used in hoppers,Rubber belts,Pipes,Elbows,Valves,Fan blades,Chutes,Ball mills,Feeders,Bunkers and other processing equipment of the Steel,Thermal power,Cement,Coal,Mine,Port chemical industry and so on.

耐磨陶瓷衬砖 Wear resistant ceramic lining brick



项目 Item/类型 Type	直砖 Rectangle Brick	斜砖 Trapezoid Brick	薄砖 Flake Brick	半砖 Half-Rectan gle Brick	斜半砖 Half-Trape zoid Brick
长/Length(mm)	150	150	150	75	75
宽/Width(mm)	50	50/45	25	50	50/45
高/Height(mm)	90/70/60/50/40				

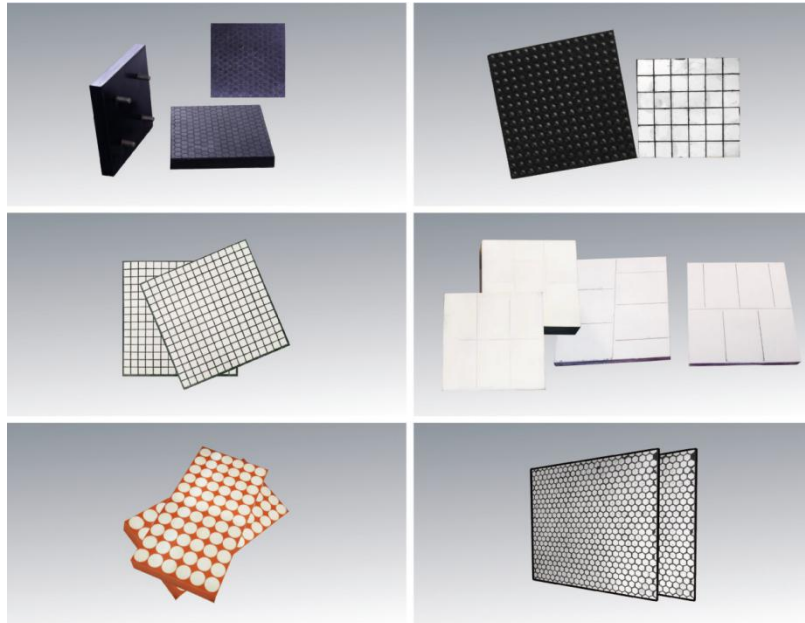
Note: Width 50/45mm means upper width=45mm,and bottom width=50mm

【应用领域】 产品广泛应用于陶瓷，水泥，涂料，耐火材料，无机矿物粉等行业的球磨机内衬。

【Application field】 Being the wear-resistant liner for the ball mill, alumina lining brick is the best choice to increase the grinding efficiency and reduce the grinding cost. Currently, alumina lining brick is being widely used in Ceramic, Cement, Paint, Pigment, Chemical, Pharmacy and coatings industries.

二合一/三合一耐磨陶瓷橡胶复合板

Two-in-one/three-in-one wear-resistant ceramic-rubber composite plate



陶瓷橡胶复合板是采用橡胶硫化工艺，将耐磨陶瓷硫化胶嵌入橡胶中，用胶粘剂粘贴在所有设备的内部。根据客户要求，可与钢板、螺栓一起硫化。

Ceramic rubber composite pads&plate is use of rubber vulcanization process,to embed the wear-resistant ceramic vulcanized into rubber,stick it on the inner all of equipment with the adhesive paste.As customers' requirement,it also can be vulcanized together with steel plate,with bolts or not.

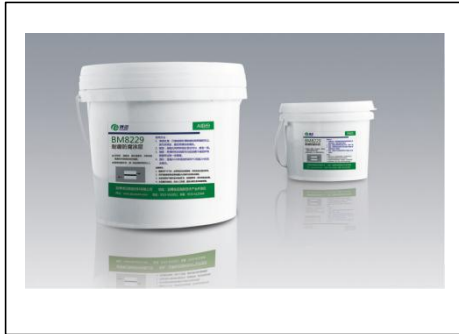
项目 Item/指标 Index	橡胶 Rubber
体密 Bulk density (g/cm ³)	1.4
拉伸强度 Tensile strength at break (MPa)	≥14
扯断延伸 Elongation at break (%)	≥250
邵氏硬度 Shore hardness(HA)	48~65
钢板橡胶粘接力 Adhesive between steel & rubber (MPa)	≥3.5
橡胶陶瓷粘接力 Adhesive between rubber&ceramic (MPa)	≥3.5
导热系数 (常温) Thermal conductivity(normal temperature) (W/M·K)	2
老化周期 Aging period (years)	≥1.5
使用温度 Working temperature (°C)	-50~200

【产品特点】 它兼有陶瓷的耐磨损性和橡胶的耐冲击性，适用于输送系统设备在常温下工作，并能承受一定的冲击

【Product Features】 It combines wear-resistant of ceramic and impact-resistant of rubber,apply to conveying systems equipment work under normal temperature,and can bear some impact.

【应用领域】 本产品设计应用于矿山和选矿设备中高磨损部件的衬套和衬板，包括：管道和储罐、偏转器、洗涤器、溢流面倾斜壁和装载槽、料斗和料斗、磨机进料部件等。

【Applications field】 Pads and plates have been designed primarily for the lining of high wear components in mining and mineral processing equipment including:pipes and tanks,deflectors,launders,spill face sloping walls&loading chutes,bins&hoppers,mill feed components.

耐磨陶瓷胶 Wear-resistant ceramic adhesive


项目 Item/指标 Index	Wearing compound ceramic bead filled epoxy 耐磨陶瓷颗粒胶	耐磨陶瓷胶 Wear-resistant ceramic adhesive		
		BM8080	BM8100	BM8180
品名 Series	BM8229	BM8080	BM8100	BM8180
颜色 color	褐色 Brown	白色 White	白色 (浅黄) White (light yellow)	灰色/白色 Grey/White
密度 Density (g/cm ³)	2.25	1.28	1.66~1.70	1.48~1.52
重量配比 Weight ratio (A:B)	2:1	4:1	1:1	4:1
体积配比 Volume ratio (A:B)	2:1	4:1	1:1	4:1
操作时间 Operation time (200g mixing, min)	30	30	30	30
完全固化时间 Full curing time (h)	24	24	24	24
固化后硬度 After curing hardness(ShoreD)GB/T2411-2008	89.0	-	-	-
抗压强度 Compressive strength(MPa) GB/T1041-2008	110.0	-	-	-
拉伸强度 Tensile strength(MPa) GB/T6329-1996	28.0	65.0	65.0	35.0
剪切强度 Shear strength(MPa) GB/T7124-2008	16.0	≥10	≥10	≥18
工作温度 Working temperature (°C)	-60 ~ 120	-60-150	-60-150	-60-200
保质期 Expiration date (years)	2	2	2	2



耐磨陶瓷管道、弯头、复合板行业应用

Application of wear resistant ceramic lining in industry

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