

研磨级白刚玉微粉W50即日标JIS R 6001标准320#白刚玉抛光粉

产品名称	研磨级白刚玉微粉W50即日标JIS R 6001标准320#白刚玉抛光粉
公司名称	郑州市海旭磨料有限公司
价格	9000.00/吨
规格参数	品牌:海旭磨料 型号:8#-3000# 产地:河南
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产品详情

研磨级白刚玉微粉W50即日标JIS R 6001标准320#白刚玉抛光粉

GB 2477-83标准白刚玉W14研磨粉对应GOST-M14/电熔氧化铝JIS1200#

GB 2477-83标准白刚玉W14研磨粉对应GOST-M14/电熔氧化铝JIS1200#用于涂料行业，因其耐磨性好，吸油率低，硬度高等优点，广泛用于涂料填料。电熔氧化铝是将纯度99%含量的工业氧化铝粉在电弧炉里经2050度高温熔融冶炼结晶而来，因此电熔氧化铝又被称为电熔刚玉。电熔氧化铝纯度高、自锐性好、耐酸碱腐蚀、耐高温、热态性能稳定它硬度略高于棕刚玉，韧性稍低，切削力强。

White corundum is used in the coating industry and is widely used as a filler in coatings due to its advantages of good wear resistance, low oil absorption rate, and high hardness. Electromelted alumina is a type of industrial alumina powder with a purity of 99%, which is crystallized by melting and smelting at a high temperature of 2050 degrees in an electric arc furnace. Therefore, electromelted alumina is also known as electromelted corundum. Electromelted alumina has high purity, good self sharpening, acid and alkali corrosion resistance, high temperature resistance, and stable thermal performance. Its hardness is slightly higher than that of brown corundum, with slightly

lower toughness and strong cutting force.

GB 2477-83标准白刚玉W14研磨粉对应GOST-M14/电熔氧化铝JIS1200#的主要性能特点：

在涂料产品中的配方中，除了树脂基料以外，往往会添加一些填料起到填充、调节涂料相关性能等作用。作为涂料的填充材料，需要符合以下几个基本要求：

1. 白度要高。不能影响涂料基料和颜料的颜色调配。
2. 分散性好。易分散的填料不仅可以降低涂料生产时分散填料的时间和成本，而且有利于涂料性能的发挥。
3. 化学稳定性和惰性。填料不会与涂料中的基料、颜料和其他填料发生反应。
4. 吸油率要低。低吸油率有利于提高涂料的临界颜料体积浓度，节约树脂基料。同时，与市场上主流的其他低吸油的颜料相匹配。
5. 填料的粒度要准确，粒度范围要尽量窄、尽量集中。粒度窄的填料粉末能在涂料中起到空间位隔作用，使涂料中的各种材料颗粒更加均匀地分布。有助于保持涂料的性能一直性。
6. 流动性。良好的流动性（流平性），可以防止涂料在放置和存贮时不产生沉淀，有利于涂料的施工。
7. 比表面积适当，比表面积影响涂料的黏度、流动性、分散稳定性、沉降度和吸油量等性能指标。

The main performance characteristics of white fused alumina powder :

In the formulation of coating products, in addition to resin based materials, some fillers are often added to fill and regulate the related properties of the coating. As a filling material for coatings, it needs to meet the following basic requirements:

1. The whiteness should be high. It should not affect the color mixing of the coating base material and pigment.
2. Good dispersion. Easy to disperse fillers can not only reduce the time and cost of dispersing fillers during coating production, but also facilitate the performance of coatings.

3. Chemical stability and inertness. Fillers will not react with substrates, pigments, and other fillers in the coating.
4. The oil absorption rate should be low. Low oil absorption rate is beneficial for increasing the critical pigment volume concentration of coatings and saving resin base materials. At the same time, it matches with other mainstream low oil absorption pigments in the market.
5. The particle size of the filler should be accurate, and the particle size range should be as narrow and concentrated as possible. Narrow particle size filler powder can play a spatial segregation role in coatings, making various material particles in the coatings more evenly distributed. Helps maintain the consistency of paint performance.
6. Liquidity. Good fluidity (leveling) can prevent coatings from settling during placement and storage, which is beneficial for the application of coatings.
7. The specific surface area is appropriate, as it affects performance indicators such as viscosity, fluidity, dispersion stability, sedimentation, and oil absorption of the coating.

电熔氧化铝是经过高温电熔结晶形成的氧化铝材料，也被称为电熔白刚玉微粉，化学性能符合作为填料的稳定性特点。它作为水性涂料、环氧涂料、聚氨酯涂料、氟碳涂料、氟碳粉末涂料的填料，具有以下优点：

1. 颜色白度高
2. 电熔氧化铝微粉经过水力溢流分级，产品流动性和分散性好。
3. 化学稳定性强，不与酸碱等物质产生化学反应。
4. 吸油率低，经我公司客户检测，吸油率10%以内。
5. 水分工艺生产的电熔氧化铝，粒度范围集中，对大颗粒进行有效控制，保证颗粒的均匀一致。
6. 电熔氧化铝的耐火温度高，热稳定性强。
7. PH值为中性。
8. 电熔氧化铝微粉的硬度高，耐磨性强，可以增强涂料的耐磨性能。
9. 我厂生产的电熔氧化铝微粉粒度齐全，水分微粉从63微米到0.5微米均可以提供。

Electromelted alumina is an alumina material formed by high-temperature electromelted

crystallization, also known as electromelted white corundum micro powder. Its chemical properties conform to the stability characteristics of being used as a filler. As a filler for water-based coatings, epoxy coatings, polyurethane coatings, fluorocarbon coatings, and fluorocarbon powder coatings, it has the following advantages:

1. High color whiteness
2. The electric fused alumina micro powder is subjected to hydraulic overflow classification, resulting in good product fluidity and dispersibility.
3. Strong chemical stability, does not produce chemical reactions with substances such as acids and bases.
4. The oil absorption rate is low, and according to our company's customer testing, the oil absorption rate is within 10%.
5. The electric fused alumina produced by the moisture process has a concentrated particle size range, effectively controlling large particles to ensure their uniformity and consistency.
6. Electric fused alumina has a high refractory temperature and strong thermal stability.
7. The pH value is neutral.
8. Electrolytic aluminum oxide micro powder has high hardness and strong wear resistance, which can enhance the wear resistance of coatings.
9. Our factory produces electric fused alumina micro powder with complete particle size, and can provide moisture micro powder from 63 microns to 0.5 microns.

GB 2477-83标准白刚玉W14研磨粉对应GOST-M14/电熔氧化铝JIS1200#物理指标

颜色	白色
硬度	莫氏9.0
使用温度	1900
熔点	2250
比重	3.95g/cm ³
体积密度	3.6g/cm ³
堆积密度	1.55-1.95 g/cm ³
晶形	多棱角

GB 2477-83标准白刚玉W14研磨粉对应GOST-M14/电熔氧化铝JIS1200#化学成分：

	JIS240#-JIS2500#	JIS3000#-JIS4000#	JIS6000#-JIS10000#
AL ₂ O ₃	99.30% 以上	99.10% 以上	98.8% 以上
SiO ₂	0.15% 以下	0.18% 以下	0.20% 以下
NA ₂ O	0.32% 以下		0.35% 以下
Fe ₂ O ₃	0.10% 以下	0.10% 以下	0.10% 以下
CaO	0.05% 以下	0.05% 以下	0.05% 以下

白刚玉微粉的粒度型号：

1. JIS目标：

JIS粒度	D0(微米)	D3(微米)	D50(微米)	D94(微米)
#240	127	103	57.0 ± 3.0	40
#280	112	87	48.0 ± 3.0	33
#320	98	74	40.0 ± 2.5	27
#360	86	66	35.0 ± 2.0	
#400	75	58	30.0 ± 2.0	20
#500	63	50	25.0 ± 2.0	16
#600	53	41	20.0 ± 1.5	13
#700	45	37	17.0 ± 1.5	11
#800	38	31	14.0 ± 1.0	9.0
#1000	32	27	11.5 ± 1.0	7.0
#1200	27	23	9.5 ± 0.8	5.5
#1500	23	20	8.0 ± 0.6	4.5
#2000	19	17	6.7 ± 0.6	4.0
#2500	16	14	5.5 ± 0.5	3.0
#3000	13	11	4.0 ± 0.5	2.0
#4000	11	8.0	3.0 ± 0.4	1.8
#6000	8.0	5.0	2.0 ± 0.4	0.8
#8000	6.0	3.5	1.2 ± 0.3	0.6

白刚玉微粉的用途：

1. 耐磨剂：陶瓷釉料、木地板耐磨层、耐磨涂料、耐磨胶水、聚氨酯树脂、塑料玻璃、复合材料刹车片等制品的耐磨填料。

2. 研磨剂：硬质合金、有色金属、不锈钢、合金制品、钠钙玻璃等材料的研磨。
3. 磨具原材料：油石、砂纸、抛光蜡、橡胶砂轮、研磨液的主要磨料和金刚石干磨片的辅助材料。
4. 陶瓷：陶瓷膜、绝缘陶瓷板、蜂窝陶瓷等。