



大结晶电熔氧化镁

White Fused Magnesia

公司简介

北京联合荣大恒锐镁制品有限公司位于辽宁省鞍山市岫岩满族自治县,4台套独特工艺的电熔大结晶镁砂生产线,可年产微孔增韧大结晶与超大结晶电熔镁砂15000吨。
Xiuyan Hengrui Magnesium Products Co.,Ltd. (Beijing Allied Rongda Group) is located in Xiuyan Manchu Autonomous County, Anshan City, Liaoning Province. Equipped with 4 sets of fused large-crystal magnesia production lines with unique technology, it can produce 15,000 tons of micropore-toughened large-crystal and ultra-large-crystal fused magnesia annually. (MT-WFM &U-WFM)

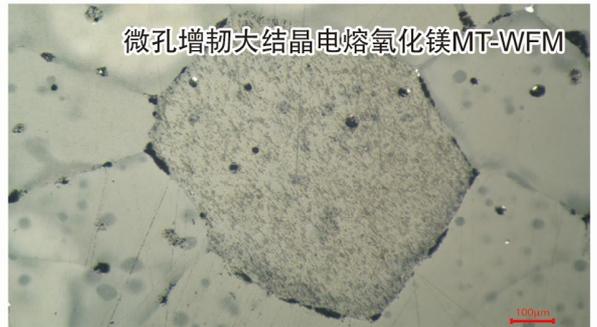
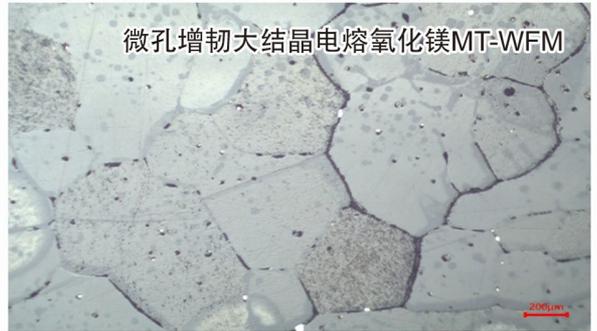


技术指标

牌号 Brand	理化指标 Parameters	MgO ≥%	CaO ≤%	SiO ₂ ≤%	Al ₂ O ₃ ≤%	Fe ₂ O ₃ ≤%	灼减/LOI ≤%	体密/BD g/cm ³
WFM985LC	典型值Typical	98.50	0.74	0.24	0.09	0.37	0.06	3.52
	保证值index	98.40	0.90	0.30	0.09	0.45	0.06	3.52
WFM98LC	典型值Typical	98.28	0.84	0.28	0.09	0.45	0.06	3.52
	保证值index	98.00	1.00	0.35	0.09	0.50	0.08	3.50
WFM978LC	典型值Typical	98.01	0.90	0.40	0.09	0.54	0.06	3.50
	保证值index	97.80	1.00	0.45	0.09	0.55	0.08	3.50
WFM975LC	典型值Typical	97.55	1.35	0.40	0.09	0.63	0.07	3.50
	保证值index	97.50	1.40	0.45	0.09	0.65	0.08	3.48
WFM97LC	典型值Typical	97.25	1.52	0.49	0.09	0.62	0.07	3.46
	保证值index	97.00	1.60	0.50	0.10	0.70	0.08	3.45
WFM黑连接LC 瓦片Tiles	典型值Typical	97.53	1.36	0.42	0.10	0.53	0.07	3.50
	保证值index	97.50	1.40	0.45	0.10	0.55	0.08	3.48
WFM97LC 杂色Mixed	典型值Typical	97.05	1.65	0.45	0.11	0.87	0.07	3.48
	保证值index	97.00	1.80	0.55	0.11	0.90	0.08	3.42



自动化生产远程操作主控室
Remote operation control room for automated production



微孔增韧大结晶电熔氧化镁 (MT-WFM)

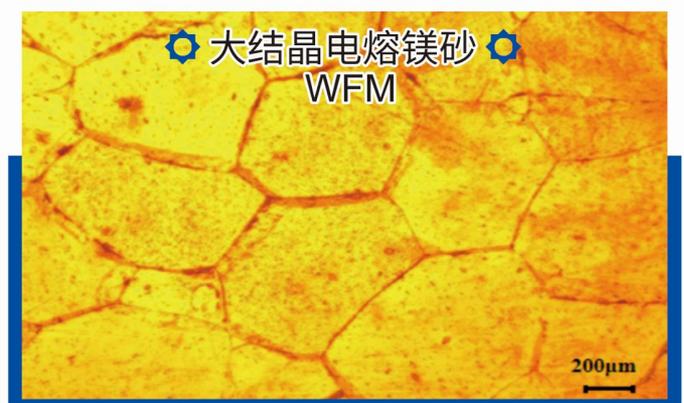
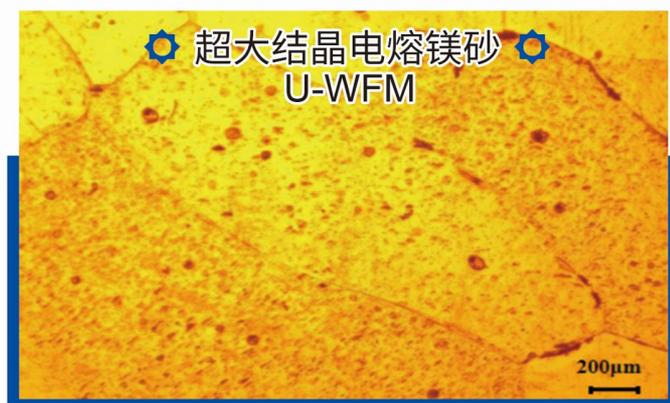
采用独特工艺与装备,直接熔融 200~300 目超细浮选精矿悬浮轻烧粉,制得新型 MT-WFM。高温电熔重结晶时,方镁石晶粒快速生长,熔浆内裹挟的空气没来得及迁移逸出,在晶体内形成大量微米级闭孔并伴有少量晶界微裂纹,可缓解方镁石高热膨胀系数引发的热应力,抑制裂纹扩展,实现晶内闭孔增韧。

A new type of MT-WFM is produced by directly melting 200-300 mesh ultrafine flotation concentrate suspended light-burned powder via unique processes and equipment. During electrofusion recrystallization, periclase grains grow rapidly, with grain boundary movement exceeding the migration and escape rate of enclosed pores. This forms numerous microscale closed pores and some intergranular microcracks in grains, relieving thermal stress from periclase's high thermal expansion coefficient, inhibiting crack propagation, and achieving intragranular closed-pore toughening.

超大结晶电熔氧化镁 (U-WFM)

通过引入微量 Cr_2O_3 活化晶格并促进晶体生长,超大结晶电熔镁砂晶粒尺寸普遍达 2000-5000µm,约为普通大结晶电熔镁砂的 3 倍。 Cr_2O_3 固溶于方镁石晶格中,且方镁石晶粒保持直接结合,显著提升了晶体韧性与抗侵蚀性能。

The introduction of trace Cr_2O_3 activates the lattice and promotes crystal growth, resulting in ultra-large crystalline fused magnesia with a typical grain size of 2000-5000µm, approximately three times that of conventional large crystalline fused magnesia. Cr_2O_3 is dissolved in the periclase lattice while maintaining direct bonding between periclase grains, significantly enhancing crystal toughness and corrosion resistance.



公司名称: 岫岩满族自治县恒锐镁制品有限公司
公司地址: 岫岩满族自治县石庙子镇青杨堡村(114311)
Http://hengrui.rongda.com.cn
E-mail:rongda@rongda.com.cn

免费热线: **400-1102006 800-8109575**
联系方式: 13842257587
联系人: 李娜
E-mail:xyln@rongda.com.cn

