

Ceramic Alumina SG-S Technical Data Sheet

陶瓷微晶刚玉 SG-S 产品标准

1. USE 用途

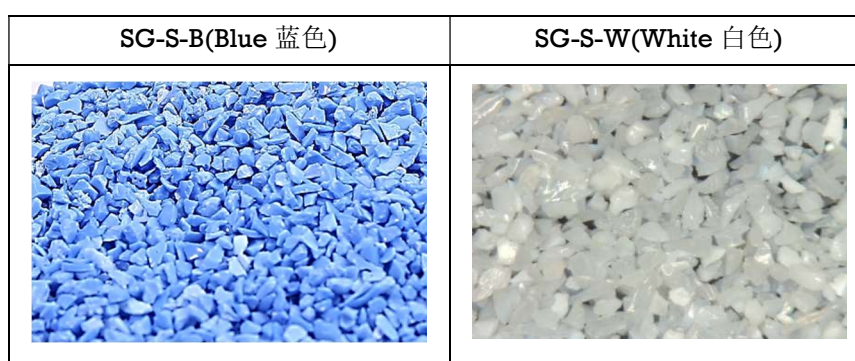
Ceramic alumina SG-S is a kind of abrasive for high efficiency application. It is design for manufacturing resin/ceramic bond wheel.

陶瓷微晶刚玉 SG-S, 是适应于高效率及难磨材料的磨削。可用于陶瓷/树脂砂轮, 切割/打磨片及涂覆产品。

2. DESCRIPTION 描述

SG-S is a natural grain shape product. It is sintered by alumina powder, and has high density and high hardness.

陶瓷微晶刚玉 SG-S 是自然破碎颗粒, 由特种氧化铝制成具有高的硬度和密度。



3. TYPICAL PROPERTY 产品特性

Physical 物理特性

Micro-Structure 微观结构	Polycrystalline alumina, 50-100nm of crystal size. 晶粒尺寸 50-100 纳米, 片层状堆积
Shape 形貌	Natural grain 自然颗粒
True density 真密度	$\geq 3.85 \text{ g/cm}^3$
Temp. of stability 耐温	$< 1100^\circ\text{C}$

Chemical 化学成分

Al ₂ O ₃	La ₂ O ₃	Y ₂ O ₃	MgO	Others
94.5-97%	1.5-2.5%	0.5-1.5%	0.5-1.5%	0-0.5%

Grain Size 粒度范围及分布

SG-S available grit size is 20 to 220. Grit size and distribution flow FEPA standard.

SG-S 的供货粒度范围 20#至 220#, 筛分标准和颗粒分布参照 FEPA 标准。



4. Standard Package 包装规范

Paper bag, 25Kg per bag.

纸袋包装，每包 25Kg

5. Traceability 追溯性

Can provide one year production information from order date.

可提供自订单日起 1 年内的产品生产信息追溯。

6. Others 其他

- Can have special coating (Fe_2O_3 or ZrO_2), according customer requirement for better interface performance.

可以根据客户的要求提供氧化铁红或者氧化锆涂层。

