

Ceramic Alumina TG-AX Technical Data Sheet

陶瓷微晶刚玉 TG-AX 产品标准

1. USE 用途

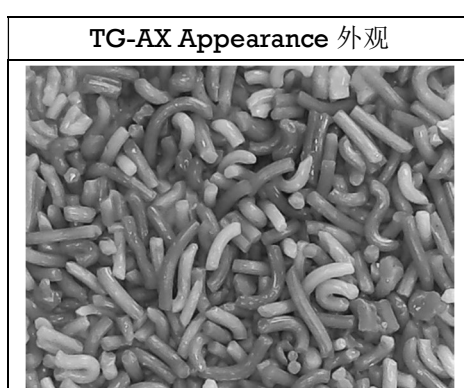
Ceramic alumina TG-AX is a kind of abrasive for high efficiency application. It is design for manufacturing resin/ceramic bond wheel.

陶瓷微晶刚玉 TG-AX, 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

TG-AX is a rod shape product, longer than TG-A. It is sintered by alumina powder, and has high density and high hardness.

陶瓷微晶刚玉 TG-AX 是条状磨料, 较 TG-A 产品具有更大的长径比。



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/Color 形貌/颜色	Rod/White 条状/白色
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 颗粒尺寸

Grit Size 粒度	Diameter(mm)直径	Ratio of length and diameter 长径比
20	0.90~1.10	5:1
24	0.70~0.90	5:1
36	0.55~0.62	6:1

ROY Material Technology

Address: Ducun industrial park, Jiaozhou, Qingdao, Shandong Province, 266327

Email: Market@roymt.com



Grit Size 粒度	Diameter(mm)直径	Ratio of length and diameter 长径比
40	0.48~0.55	6:1
46	0.35~0.42	6:1
60	0.25~0.35	6:1
80	0.21~0.25	8:1
100	0.18~0.21	10:1
120	0.14~0.18	10:1

- Ratio of length and diameter list in above table is nominal value.

Distribution of the ratio as below.

长短颗粒按照上表中的中心值的重量比例分布如下:

Grains Type 颗粒类型	Weight rate, % 重量比例
Nominal 中值附近	≥ 80
Longer than nominal 偏长颗粒	$\leq 9\%$
Shorter than nominal: 偏短颗粒	≤ 5
Chips:碎屑	≤ 5

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 (Fe₂O₃ or ZrO₂), 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。

