

## Compact Grain CG-AO Technical Data Sheet

### 堆积磨料 CG-AO 产品标准

#### 1. USE 用途

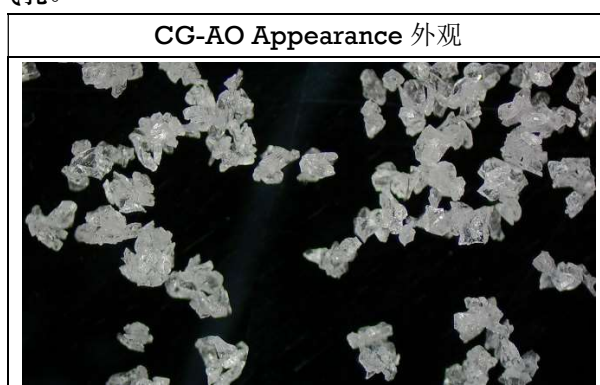
Compact Grain CG-AO is a kind of abrasive for high efficiency application. It is design for manufacturing resin/ceramic bond wheel and coated abrasive.

堆积磨料 CG-AO 适应于直高效率长寿命的，可应用制作陶瓷/树脂砂轮，也可应用于涂覆磨具。

#### 2. DESCRIPTION 描述

CG-AO is use inorganic binder to bind several alumina grains together, have sharp blade in every direction and introduce natural porosity to abrasive tools.

CG-AO 堆积磨料是使用陶瓷结合剂将几粒白刚玉黏合在一起。各个方向都有磨削刃，并且能够引入均匀分布的小气孔。



#### 3. TYPICAL PROPERTY 产品特性

##### Physical 物理特性

Shape/Color 形貌/颜色	Grain/White 颗粒/透明
True density 真密度	$\geq 3.90 \text{ g/cm}^3$
Temp. of stability 耐温	$< 950^\circ\text{C}$

##### Chemical 化学成分

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Na <sub>2</sub> O <sub>3</sub>	Li <sub>2</sub> O <sub>3</sub>	Others
98.4-99.5%	0.2-0.5%	0.2-0.3%	0.1-0.3%	0-0.5%

##### Grain Size 颗粒尺寸

Grit Size 粒度	Grain diameter (mm) 团粒尺寸	Lose Pack density (g/cm <sup>3</sup> ) 松装密度
46	TBD	TBD
60	TBD	TBD
80	TBD	TBD
100	TBD	TBD
120	TBD	TBD

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- Compact grains diameter list in above table is nominal value.

Distribution of the ratio as below.

大小团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	$\cong 80$
Big than nominal 偏大颗粒	$\cong 9\%$
Small than nominal: 偏小颗粒	$\cong 5\%$
Single grain:单粒	$\cong 5\%$

#### 4. Standard Package 包装规范

Paper bag, 20Kg per bag.

纸袋包装, 每包 20Kg

#### 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

If use for resin bond wheel or coated abrasives. Silane surface treatment is required.

如果应用于树脂砂轮或者涂覆模具, 使用前需要硅烷表面处理。

