

▲ 概述:

耐诺氧化锆珠NanorZr-Ce采用全球领先的电解液中滴定滚动成型, 氧化铈作稳定、烧设定相的方法制成, 形成均匀、致密和稳定的四方氧化锆晶相结构, 具有宝石般的硬度、密度和耐磨性, 是所有锆系列锆珠最重的一种, 特别适合对高粘度、高固相、高硬度的浆料的研磨和分散。同时很好的匹配高能量输入和高剪切力的现代砂磨机。

▲ 特点

- 使用寿命长: 为玻璃珠的30倍, 硅酸锆珠的6~8倍;
- 研磨效率高: 为玻璃珠的6~8倍, 硅酸锆珠的2~3倍;
- 可研磨的粘度高: 研磨的粘度可达50,000cps(厘泊)。



▲ Description:

Ceria stabilized zirconium dioxide beads NanorZr-Ce are sintered in a leading manufacturing process. The compact and homogenous tetragonal zirconia polycrystal result in the highest hardness, density and excellent wear resistance. It is optimal for milling high viscosity and abrasion particles in high energy intensity mills.

▲ Features:

- Long lifespan: 30 times longer life than glass beads, 6~8 times than zirconium silicate beads.
- High efficiency: around 2to 3 times higher than zirconium silicate beads.
- Low contamination: no cross contamination and no color shade.

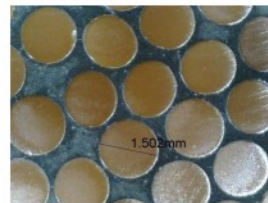
▲ 应用领域 Applications:

特别适合丝印油墨、胶印油墨、金属颜料、重钙、有色金属、医药和食品等领域的研磨。

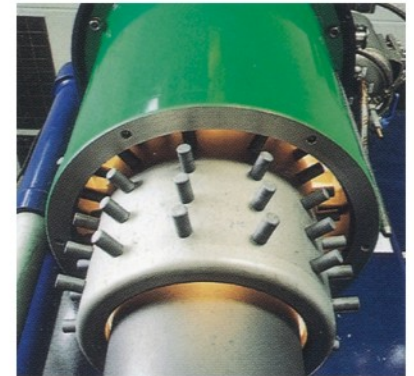
It is suitable for milling high viscosity pastes such as screen printing inks, offset inks, CaCO₃, metal minerals; and high purity products such as pharmaceutical and foodstuff.

▲ 化学成分 Chemical Composition:

成分	ZrO ₂	CeO ₂
wt%	80%	20%



剖面图
Compact Cross Section



高能量研磨区
High Energy Grinding Zone

▲ 物理性质 Typical Properties:

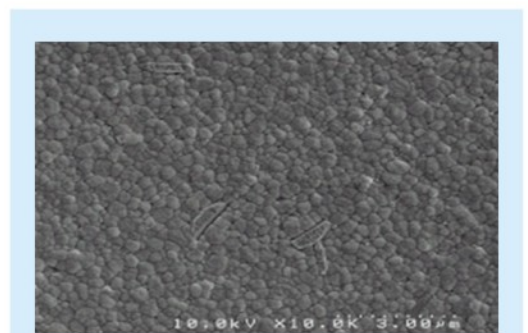
比重 Specific Gravity	散重 Bulk Density	莫氏硬度 Hardness Mohs	维氏硬度 Hardness Vickers	断裂韧性 Fracture Toughness	耐压强度 Crushing Strength	吨磨耗 Wear Rate	包装 Packaging
>6.1kg/dm ³	>3.8kg/L	9	>1100kg/mm ²	15 Mpa·m ^{1/2}	1700N(2mm)	<0.01kg/T	25kg/桶

▲ 规格 (Sizes) 珠 (Beads):

型号 Code	粒径(mm) Sizes	型号 Code	粒径(mm) Sizes
NC3	0.3~0.4	NC14	1.4~1.6
NC4	0.4~0.6	NC16	1.6~1.8
NC6	0.6~0.8	NC18	1.8~2.0
NC8	0.8~1.0	NC20	2.0~2.2
NC9	0.9~1.1	NC22	2.2~2.5
NC10	1.0~1.2	NC25	2.5~2.8
NC11	1.1~1.3	NC28	2.8~3.2
NC12	1.2~1.4		

球 (Balls):

型号 Code	粒径(mm) Sizes
NCB3	3.0~4.0
NCB4	4.0~5.0
NCB5	5.0~6.0
NCB6	6.0~7.0
NCB7	7.0~9.0
NCB9	9.0~12.0



微观结构图 Microstructure Of NanorZr-Ce