

## ▲ 概述:

耐诺玛瑙球(NanorAg)采用纯天然进口玛瑙石经切割、打磨和抛光等工艺制成。形状有球形、圆柱形和方形三种。具有结构致密、色泽通透、高弹性模量和优异的耐磨性等特点。特别适合立式搅拌磨、卧式滚动球磨机和振动磨对各种浅色物料作纯净的分散及研磨。

## ▲ 特点

- 密度比玻璃球大: 效率更高;
- 弹性比玻璃球好: 更不容易破碎;
- 比铬钢球适用范围广: 适用于更宽的颜色产品。

## ▲ 应用领域 Applications:

丝网油墨、柔板油墨、涂料、电子浆料和医药等工业。  
Screen printing inks, paints, electronical slurry, shoe finishes and pharmaceutical industries.

## ▲ 化学成分 Chemical Composition:

成分	SiO <sub>2</sub>	MgO/CaO/Mn <sub>2</sub> O <sub>3</sub>
wt%	94	6

## ▲ 物理性质 Typical Properties:

比重 Specific Gravity	散重 Bulk Density	莫氏硬度 Hardness Mohs	弹性模量 Elasticity Module	包装 Packaging	颜色 Color
>2.60kg/dm <sup>3</sup>	>1.50 kg/L	7	>70Gpa	25kg/bucket	奶白或灰色



## ▲ Description:

NanorAg agate ball is made from high quality natural agate stones. The complex process include cutting, abrading, polishing and sieving. There are 3 types of shape: ball, cylinder and square. Due to higher density and better chip resistance than glass balls, they can be used in the vertical stirring ball mills, horizontal rotary ball mills, vibrational mills for grinding tiny color products.

## ▲ Features:

- Higher gravity than glass: higher grinding efficiency;
- Higher elasticity module: less fragile balls;
- More compatible than steel ball: suitable for white colors.

## ▲ 规格 Sizes: 球型(Balls):

型号 Code	NG3	NG5	NG7	NG10	NG14	NG16	NG20	NG25
粒径(mm) Sizes	3~5	5~7	7~10	10~14	14~18	16~20	20~25	25~30

## 方型(Square):

型号 Code	NGS8	NGS15	NGS20
边长Length (mm)	8x8x8	15x15x15	20x20x20

# 耐诺陶瓷球 Ceramic Balls NanorAl

## ▲ 概述:

耐诺陶瓷球NanorAl采用高温煅烧的超细氧化铝粉为原料,干粉等静压成形,高温烧结成相的方法制成;具有高比重、高硬度的特点,特别适合大型球磨机对中高粘度浆料作纯净的分散和研磨。

## ▲ 特点

- 比氧化锆球一次性投资少;
- 比玻璃球和玛瑙球密度大;
- 在一些领域比玻璃球磨耗低;
- 大小尺寸齐全。



## ▲ Description:

NanorAl alumina ceramic balls are made by dry isostatic press and sintered at high temperature by micro fine Al<sub>2</sub>O<sub>3</sub> powder. The small crystal size is free from air pockets and has better wear resistance. It is ideal media for large ball mills.

## ▲ Features:

- More economic than zirconia ball;
- Higher density than glass or agate ball;
- Lower contamination than glass ball.

## ▲ 化学成分 Chemical Composition:

成分	SiO <sub>2</sub>	MgO+CaO+Na <sub>2</sub> O	Al <sub>2</sub> O <sub>3</sub>	Others
wt%	4.3%	3.2%	92.3%	0.2%

## ▲ 物理性质 Typical Properties:

比重 Specific Gravity	散重 Bulk Density	维氏硬度 Hardness Vickers	耐压强度 Crushing Strength	吸水率 Water Absorption	包装 Packaging
3.6kg/dm <sup>3</sup>	>2.1kg/L	>1500kg/mm <sup>2</sup>	2000N	<0.01%	25kg/袋

## ▲ 规格 Size:

型号 Code	NA2	NA3	NA4	NA6	NA8	NA10	NA12	NA15	NA20	NA25	NA30	NA40	NA50	NA60	NA70	NA80
粒径(mm) Sizes	2	3	4	6	8	10	12	15	20	25	30	40	50	60	70	80