#### ▲概述:

耐诺陶瓷球NanorAI采用高温 煅烧的超细氧化铝粉为原料,干粉 滚动或等静压成型,高温烧结成相 的方法制成: 具有高比重、高硬 度的特点,特别适合大型滚动和低 速立式搅拌磨球磨机对中高粘度浆 料作纯净的分散和研磨。

## ▲特点

Sizes

- ●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 weat resistance. It is ideal madia for large ball mills.

#### **▲** Features:

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

## 立式搅拌磨SMD

(Stirred Media Detritor)



## ▲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	散 重	维氏硬度	耐压强度	吸水率	包 装	
Specific Gravity	Bulk Density	Hardness Vickers	Crushing Strength	Water Absorption	Packaging	
$3.6 \text{kg/dm}^3$	>2.1kg/L	>1500kg/mm <sup>2</sup>	2000N	<0.01%	25kg/袋	

· · · · · · · · · · · · · · · · · · ·												剖画图 Section Drawing of SMD				
型号 Code	NA2	NA3	NA4	NA6	NA8	NA10	NA12	NA15	NA20	NA25	NA30	NA40	NA50	NA60	NA70	NA80
粒径(mm)	2	3	1	6	Q	10	12	15	20	25	30	40	50	60	70	80

15

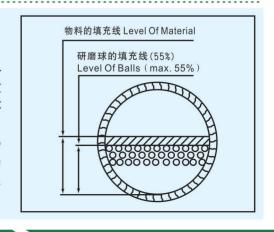
30

12

# ▶ 滚动球磨机填充量的黄金法则(Golden rule of charge ratio for rotary ball mill):

获得最佳研磨效率的研磨球的填充量为球磨机工作体积的35%-55%; 低填充量适合连续式生产, 而高填充量适合批量式生产; 投放 的物料量能充分覆盖住研磨球即可,而换算成体积约是球磨机工作体 积的25%-35%。

The optimum charge ratio is 35%-55% of net volume of mill. Lower ratio is used for continuous mills and higher one for the batch mills. The charge ratio of material is around 25%-35% of net volume of mill, which filling level just cover the level of balls.



80