

# TECHNICAL DATA SHEET

**品名:** 棕刚玉/棕色氧化铝/棕色熔融氧化铝

棕刚玉,也叫棕色氧化铝或棕色熔融氧化铝或棕色金刚砂,是以优质铝矾土为原料,通过采用在倾倒炉 2200°C 以上高温中提纯、除杂、结晶、分选、巴马克破碎、磁选、筛分以及酸洗水洗水力分级等加工手段制成各种颗粒尺寸的产品,其具有硬度高,强度大,抗冲击,耐高温,抗氧化,耐腐蚀等特点,其微粉经过酸洗水洗,粒度集中,磁性物低,喷砂研磨抛光效果好。

## 化学成分(典型值)

Al <sub>2</sub> O <sub>3</sub>	96.0-97.5%
TiO <sub>2</sub>	1.7-3.4%
Fe <sub>2</sub> O <sub>3</sub>	≤0.15%
SiO <sub>2</sub>	≤0.5%
CaO	≤0.35%

## 物理特性(典型值)

比重	≥3.90g/cm <sup>3</sup>
莫氏硬度	9.0
堆积密度	1.53-1.99g/cm <sup>3</sup>
熔点	2250°C
耐火度	1900°C

## 粒度分布组成

#12	+2800um	0	+2000um	≤20%	+1700um	≥45%	+1700+1400um	≥70%	-1180um	≤3%
#14	+2360um	0	+1700um	≤20%	+1400um	≥45%	+1400+1180um	≥70%	-1000um	≤3%
#16	+2000um	0	+1400um	≤20%	+1180um	≥45%	+1180+1000um	≥70%	-850um	≤3%
#20	+1700um	0	+1180um	≤20%	+1000um	≥45%	+1000+850um	≥70%	-710um	≤3%
#22	+1400um	0	+1000um	≤20%	+850um	≥45%	+850+710um	≥70%	-600um	≤3%
#24	+1180um	0	+850um	≤25%	+710um	≥45%	+710+600um	≥65%	-500um	≤3%
#30	+1000um	0	+710um	≤25%	+600um	≥45%	+600+500um	≥65%	-425um	≤3%
#36	+850um	0	+600um	≤25%	+500um	≥45%	+500+425um	≥65%	-355um	≤3%
#46	+600um	0	+425um	≤30%	+355um	≥40%	355+300um	≥65%	-250um	≤3%
#54	+500um	0	+355um	≤30%	+300um	≥40%	+300+250um	≥65%	-212um	≤3%
#60	+425um	0	+300um	≤30%	+250um	≥40%	250+212um	≥65%	-180um	≤3%
#70	+355um	0	+250um	≤25%	+212um	≥40%	+212+180um	≥65%	-150um	≤3%
#80	+300um	0	+212um	≤25%	+180um	≥40%	+180+150um	≥65%	-125um	≤3%
#90	+250um	0	+180um	≤20%	+150um	≥40%	+150+125um	≥65%	-106um	≤3%
#100	+212um	0	+150um	≤20%	+125um	≥40%	+125+106um	≥65%	-75um	≤3%
#120	+180um	0	+125um	≤20%	≥40%	≥40%	+106+90um	≥65%	-63um	≤3%
#150	+150um	0	+106um	≤15%	+75um	≥40%	+75+63um	≥65%	-45um	≤3%
#180	+125um	0	+90um	≤15%	+75um+63um		≥40%	+75um+63um+53um		≥65%
#220	+106um	0	+75um	≤15%	+63um+53um		≥40%	+63um+53um+45um		≥60%

**包装:** 25 公斤袋装+吨包/托盘

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