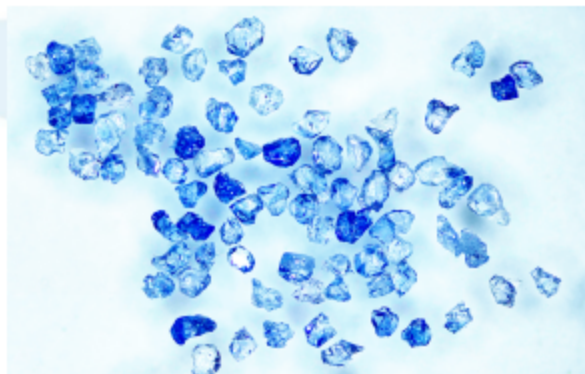


MONOCRYSTALLINE ALUMINA FOR COATED ABRASIVES



DESCRIPTION

Monocrystalline Alumina, also called single crystal fused alumina, which is a kind of high purity alumina as raw material, through high temperature furnacing process to produce high-grade abrasive.

Monocrystalline alumina are nano-layered structures, with strong toughness, strong hydrophilicity, high hardness characteristics. The grains are well grown and superimposed, bring sharp cutting edges when grinding and cutting.

APPLICATIONS

MA22 is sharp, low bulk density, better than WA22. MA22 is mainly used for manufacturing high-grade coated abrasives, high-demand hardwood polishing and metal heavy-load abrasive belt grinding.

GRITS AVAILABLE: P12-P220

Customized sizes available upon request

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	TiO ₂	Fe ₂ O ₃	SiO ₂
99.00	0.38	0.11	0.12

TYPICAL PHYSICAL PROPERTIES

Mineral Composition	Alpha Alumina	Color	Blue
Mons' Hardness	≥9.0	Knoop Hardness	1990-2290
Melting Point	2200°C	Hydrophilicity (P50)	235mm
Specific Gravity	≥3.98	Toughness (P40)	60%

TYPICAL BULK DENSITY

GRITS	BULK DENSITY
	MA22
P16	1.75-1.89
P20	1.76-1.90
P24	1.76-1.90
P30	1.76-1.90
P36	1.76-1.89
P40	1.75-1.88
P50	1.73-1.88
P60	1.72-1.88
P80	1.68-1.82
P100	1.62-1.78
P120	1.58-1.76
P150	1.56-1.72
P180	1.56-1.67
P220	1.50-1.66