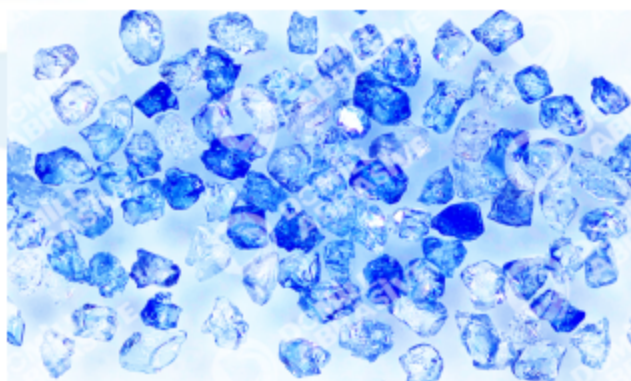


REGULAR MONOCRYSTALLINE ALUMINA



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

MA12 is sharp, low bulk density, better than WA12 and PA12. MA12 is suitable for making high grade resin bonded grinding wheels, with fast cutting and high grinding ratio and longer life, machining of stainless steel.

GRITS AVAILABLE: F16-F220

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
	MA12
F16	1.80-1.95
F20	1.80-1.95
F24	1.80-1.95
F30	1.80-1.95
F36	1.80-1.95
F46	1.80-1.95
F54	1.78-1.93
F60	1.75-1.90
F70	1.73-1.88
F80	1.70-1.85
F90	1.70-1.85
F100	1.67-1.82
F120	1.63-1.78
F150	1.57-1.72
F180	1.54-1.69
F220	1.50-1.65