

FUSED ZIRCONIUM ALUMINA (ZA)

ZA25 & ZA40 are electro- fused alumina – zirconia grains, produced by fusing alumina and zirconia raw material in electric arc furnace, and then processed by quenching, crushing and sieving.

ZA25

Character & application:

ZA25 is a hard and tough raw material, which has compact structure, high hardness and toughness, good grinding performance. It is mainly used for producing high pressure grinding wheels, and sandblasting, Due to it can quickly soften the metal strength without letting the metal get burned, it has very good grinding effect on steel, cast iron nickel alloys, titanium alloys, aluminum alloys and tungsten alloys.

Typical Chemical analysis in wt.%5(F24)

Index	Al ₂ O ₃	ZrO ₂	SiO ₂	Fe ₂ O ₃	TiO ₂
Typical value	73.19	25.28	0.42	0.22	0.30

Grits available:

F4 to F220

In accordance with the current GB/FEPA/JIS sieve standards.

ZA40

Character & Application:

This product has small crystal size and unique microstructure, which give it high toughness and hardness, good cutting capacity, and longer lifetime. Therefore, its quality is far superior to brown aluminum oxide, silicon carbide and other traditional abrasive materials. It can be used for both coated abrasives and bonded abrasives, including abrasives belts, abrasive cloth, sandpaper, and resin grinding wheels. These abrasives has a wide application in grinding rail, casting surface, alloy steel, stainless-steel, wood and so on.

Chemical analysis in wt.% (F24)

Index	Al ₂ O ₃	ZrO ₂	SiO ₂	Fe ₂ O ₃	TiO ₂
Typical value	59.8	39.1	0.35	0.26	0.30

Grits available:

Bonded Abrasive: F8 to F220

Coated Abrasives: P20 to P220

In accordance with the current GB/FEPA/IS sieve standards.