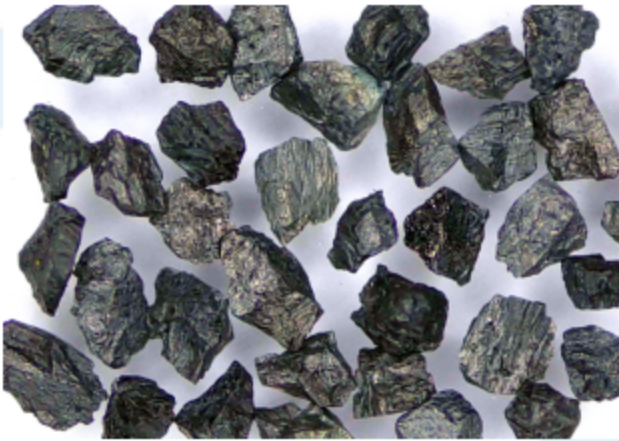


## 40% ZIRCONIA ALUMINA FOR BONDED ABRASIVES



### DESCRIPTION

It is the Fused Alumina-Zirconia type of eutectic composition produced by melting alumina and Zirconia at about 2000C temperature in an electric arc furnace followed by cooling of the motion product. The very fine and homogenous microstructure of this materials provides high toughness but also excellent self sharpening properties. With 40% zirconia, this product promises lasting durability for coated and bonded abrasives.

### APPLICATIONS

ZA58 grade products are specifically engineered for bonded abrasives. From rough, organic-bonded abrasives to precise, vitrified-bonded abrasives, DOMILL offers a wide range of products that can be customize to suit various needs. ZA58 products vow to increase material removal rates and to extend usability without sacrificing beautiful finishes.

### GRITS AVAILABLE: F12-F220

*Customized sizes available upon request*

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	ZrO <sub>2</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O
59	40	0.10	0.20	0.08

### TYPICAL PHYSICAL PROPERTIES

Structure	α-Al <sub>2</sub> O <sub>3</sub> , m. t-ZrO <sub>2</sub>	Absolute density	4.65 g/cm <sup>3</sup>
Knoop hardness	1620 kg/mm <sup>2</sup>	Melting point	1880°C

### TYPICAL BULK DENSITY

ZA58	
GRITS	BULK DENSITY
F12	2.22-2.36
F14	2.20-2.34
F16	2.15-2.29
F20	2.12-2.26
F24	2.10-2.24
F30	2.05-2.19
F36	2.00-2.14
F46	1.96-2.10
F60	1.91-2.05
F80	1.89-2.03
F100	1.88-2.02
F120	1.88-2.02
F150	1.88-2.02
F180	1.88-2.02
F220	1.88-2.02