

# ZIROX® MONOCLINIC ZIRCONIA GRAINS

## MONOCLINIC ZIRCONIUM OXIDES



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ZIROX® monoclinic zirconia grains are electrically fused zirconium oxide powders that are primarily differentiated by their particle size distributions. Applications for these products include use as a component in refractory compositions, as setter sands and as separation media. These products are also used in other applications that require an inert material, high melting point and low thermal conductivity.

Monoclinic zirconia grain is often used in conjunction with TAM stabilized zirconia and TAM milled monoclinic zirconias. These materials are described in other sheets.

### Standard TAM Monoclinic Grain Products:

Product No:

1014065	ZIROX®-8 +20
1014056	ZIROX® -20 +35
1014057	ZIROX® -35 +100
1014058	ZIROX® -100 +230
1014059	ZIROX®-100 x Fines

### Typical chemical analysis of TAM

#### Monoclinic ZrO<sub>2</sub> is:

SiO <sub>2</sub>	0.25%
Al <sub>2</sub> O <sub>3</sub>	0.3%
Fe <sub>2</sub> O <sub>3</sub>	0.06%
TiO <sub>2</sub>	0.2%

### TYPICAL PARTICLE SIZE DISTRIBUTION

SCREEN SIZE	1014065	1014056	1014057	1014058	1014059
-8 +20	98%	1%			
+8	1%				
-20 +35		95%	<1%		
-35 +100			96%	<1%	<1%
-100 +230				96%	
-100 +200					50%
-200 + 325					25%

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