

# ZIROX® MILLED MONOCLINIC ZIRCONIA



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ZIROX® monoclinic zirconias are electrically fused zirconium oxide powders that are either wet or dry milled to specification.

Common applications for these materials include:

Ceramic Colors	Furnace Packing
Refractories	Glass Compositions
Separating Medium	Friction Media
Oxygen Sensors	Resistors
Weld rod fluxes	Abrasives
Fillers	Insulators

## Standard TAM Milled Monoclinic Products:

Product No:

1014048	ZIROX® 360
1014049	ZIROX® 250
1014050	ZIROX® 180
1014068	ZIROX® 120
1014070	ZIROX® TR

Typical chemical analysis of TAM Monoclinic ZrO<sub>2</sub> is:

SiO <sub>2</sub>	0.3%
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 PHYSICAL PROPERTIES

ZIROX®	Percent +325 Mesh	Surface Area (m <sup>2</sup> /gm)	D50 (µm)
360	0.5	1.1	8.50
250	0.3	2.5	4.30
180	0.1	3.1	3.40
120	0.01	4.2	1.10
TR	0.01	7.0	0.80

TYPICAL SIZE DISTRIBUTION

NOTE: The statements made herein are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made and the products discussed are sold without warranty, expressed or implied, and upon the condition that purchasers shall make their own tests to determine the suitability of such products for their particular uses. Likewise statements made concerning the possible uses of these products are not intended as recommendations to use these products in infringement of any patent.