

# DURAZON MCG

## MONOCLINIC ZIRCONIA GRAINS & POWDERS

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## DESCRIPTION

DURAZON MCG is a dense, granular, electric arc fused monoclinic zirconia grain. The electric arc fused zirconia is poured from a state-of-the-art tilt furnace that insures a high degree of product uniformity. This zirconia is thermally stable to very high temperatures (2500°C), has low thermal conductivity, and is chemically inert.

## APPLICATIONS

The physical and chemical characteristics of DURAZON MCG make it specially suited for applications such as refractories, investment casting, abrasives, wear resistant coatings, setter sands, and more. DURAZON MCG Zirconia grains are also used in applications that require an inert material, a high melting point and low thermal conductivity.

## TYPICAL CHEMICAL ANALYSIS

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

## TYPICAL PHYSICAL PROPERTIES

Size	Surface Area (m <sup>2</sup> /gm)	D50 (μm)
360	1.1	8.5
250	2.5	4.3
180	3.1	3.4
120	4.2	1.1
TR	7	0.8

## TYPICAL PHYSICAL PROPERTIES

Crystallography	Monoclinic
Color	Light Brown
True Density	5.70 g / cc
Melting Point	2700° C

## AVAILABLE SIZING

-8 + 20, -20 + 35, -35 + 100, -100 + 230, -100 + Fines, 360, 250, 180, 120, TR

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