



MELOx RMZ – Zirconium Oxide

Luxfer MEL Technologies monoclinic zirconias are high performance, high purity zirconium oxides suitable for use in a variety of applications where a high level of control of chemical and physical properties is needed.

Luxfer MEL Technologies monoclinic zirconias are manufactured in the UK by a precisely controlled chemical precipitation process that ensures consistency of both purity and performance.

Features

A range of grades with different average particle sizes and surface areas.

Applications

Depending on the specific requirements of particle size, surface area and purity, monoclinic zirconias are commonly used in:

- High performance technical ceramics
- Electronic applications such as PZT
- Oxygen sensors
- Thermal barrier coatings
- Glass Additive
- Ceramic pigments
- Refractories and insulation
- Abrasives and polishing

Discover more at

www.luxfermeltechnologies.com

Chemical composition (typical values)

Grade	TiO ₂ (wt%)	SiO ₂ (wt%)	Fe ₂ O ₃ (wt%)
All grades	0.02	0.02	0.01

Physical Properties (typical values)

Grade	Average particle size (µm)	Average surface area (m ² .g ⁻¹)
MELOx RMZ	16	3.0 – 5.0
Milled grades (by request)	0.6 – 1.5	3.5 – 5.0



Packaging

Standard packaging is 100 kg packed into poly-lined fibre-board drums or 1000 kg bulk bags.

Safety data sheet

Regional SDS information is available on request.

† The information contained within is meant as a guideline only

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