

Zirmil[®] Y

TECHNICAL DATA SHEET

- Ceramic microgrinding beads produced from a unique yttria doped zirconia powder.
- Provides high milling efficiency and high wear resistance.

2012/04

TYPICAL CHEMICAL ANALYSIS

ZrO ₂	93 %
Y ₂ O ₃	5 %
Others	2 %

COLOUR _____ White

SIZES (nominal / tolerances)

0.1 mm	-0.02 / +0.05
0.2 mm	-0.06 / +0.05
0.3 mm	-0.06 / +0.055
0.4 mm	-0.085 / +0.05
0.5 mm	-0.075 / +0.10
0.6 mm	-0.10 / +0.10
0.8 mm	-0.10 / +0.10
1.0 mm	-0.10 / +0.10
1.25 mm	-0.07 / +0.15
1.5 mm	-0.25 / +0.10
1.75 mm	-0.15 / +0.25
2.0 mm	-0.20 / +0.24
2.3 mm	-0.06 / +0.20

CRYSTAL STRUCTURE _____ > 95 % stabilized

PHYSICAL PROPERTIES

Specific gravity	6 g/cm ³
Bulk density	3.7 kg/l
Hardness Vickers	1250 HV1

SAFETY DATA SHEET AVAILABLE

PACKAGING

1 kg, 5 kg, 10 kg, and 20 kg plastic containers



MAIN MICROGRINDING APPLICATIONS

- Paints
- Inks
- Magnetic coatings
- Dyes
- Pigments
- Cosmetics
- Minerals
- Electronic ceramics
- Ceramics

Saint-Gobain ZirPro is the expert in zirconia-based materials for industrial applications. From our global network of manufacturing, commercial and research facilities, we serve leading customers through long-term and trust-based relationships.

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