

ZirGrip®

TECHNICAL DATA SHEET

- Fine and pure zirconium oxide powders (ZrO₂).
- Original dendritic morphology for enhanced interactions within organic composite.
- Ideally suited to the production of friction materials.

TYPICAL CHEMICAL ANALYSIS (%)

ZrO ₂ +HfO ₂ ^a	Al ₂ O ₃	SiO ₂	Na ₂ O	TiO ₂	Fe ₂ O ₃	CaO	U + Th
98.80	0.10 - 0.20 ^b	0.50-0.90 ^b	0.05 ^b - 0.20	0.10	0.04	0.03	<500

^a by difference ^b ZirGrip-10 & ZirGrip-30

PARTICLE SIZE & SPECIFIC SURFACE AREA

	ZirGrip-1	ZirGrip-3	ZirGrip-10	ZirGrip-30
D50 (µm)	1.5	3 - 4	12 - 14	90 - 95
SSA / m ² .g ⁻¹	3.2	2.8	5 - 6	5 - 6

Analytical method:
 - Particle size distribution by sedigraph
 - Specific surface area by B.E.T.

MONOCLINIC CRYSTAL STRUCTURE

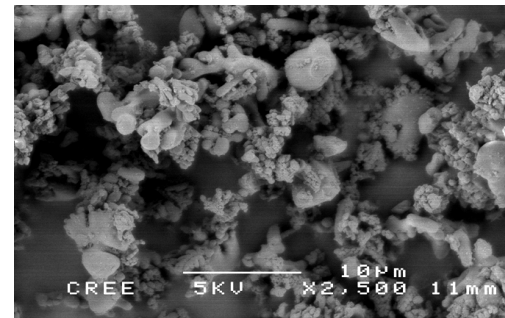
SAFETY DATA SHEET AVAILABLE

PACKAGING

25 kg bag

500 kg big-bag

1 ton big-bag



MAIN APPLICATIONS

- Brake pads
- Friction products

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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