

STABILIZED ZIRCONIUM DIOXIDE

Compilation: July 2023

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1 CHEMICAL ANALYSIS

Yttria Stabilized Zirconia

Product Code	ZrO ₂ + HfO ₂ (%)	Y ₂ O ₃ (%)	Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)	Na ₂ O (%)
ZP-3Y4B-1D0	≥94	5.40±0.25	0.25	0.015	0.005	0.001	0.005
ZP-3Y6-0D5	≥94	5.30±0.25	0.25	0.015	0.005	0.001	0.005
ZP-3Y7-0D5	≥94	5.30±0.25	0.25	0.015	0.005	0.001	0.005
ZP-4Y-1D0	≥92	7.20±0.25	0.05	0.02	0.005	0.002	0.005
ZP-8Y-1D0	≥86	13.5±0.25	-	0.02	0.005	0.002	0.005

*"B" denotes with binder

Fused Magnesia Stabilized Zirconia

Product Code	ZrO ₂ + HfO ₂ (%)	MgO (%)	Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
ZP-ZPMDA	≥95	3.0-4.0	≤0.10	≤0.20	≤0.10	≤0.10
ZP-ZPMDB	≥94	3.0-4.0	≤0.40	≤0.40	≤0.10	≤0.20
ZP-ZPMG	≥94	3.0-4.0	≤0.40	≤0.40	≤0.10	≤0.20

*ZP-ZPMG with binder ready to press powder

Calcium Stabilized Zirconia

Product Code	ZrO ₂ + HfO ₂ (%)	CaO (%)	Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
ZP-ZCS	≥95	3.5-4.5	≤0.35	≤0.30	≤0.08	≤0.20
ZP-ZC	≥95	3-3.6	≤0.35	≤0.30	≤0.08	≤0.20
ZP-ZB	≥95	4	≤0.30	≤0.20	≤0.10	≤0.20

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2 PARTICLE SIZE

Yttria Stabilized Zirconia

Product Code	Average Particle Size D ₅₀ (µm)
ZP-3Y4B-1D0	<1
ZP-3Y6-0D5	<1
ZP-3Y7-0D5	<1
ZP-4Y-1D0	<1
ZP-8Y-1D0	<1

Fused Magnesia Stabilized Zirconia

Product Code	Average Particle Size D ₅₀ (µm)
ZP-ZPMDA	Customized
ZP-ZPMDB	
ZP-ZPMG	

Calcia Stabilized Zirconia

Product Code	Average Particle Size mesh
ZP-ZCS	30/40/100/ 200/325/ customized
ZP-ZC	
ZP-ZB	

3 OTHER INFORMATION

Origin:	China
Packaging:	25 kgs Drums
HS Code:	282560