

FUSED ZIRCONIA- ALUMINA OXIDE DATA SHEET

	ZAA40	Grinding Belt, Coated abrasives.		
	ZAB40			
	ZAA25	Vitrified Bonded Grinding Wheel		
	ZAB25			
Chemical Composition				
	ZAA40		ZAB40	
	Specification (%)	Typical (%)	Specification (%)	Typical (%)
Al ₂ O ₃	55 - 58	57.73	55 – 60	58.80
ZrO ₂	35 - 44	41.58	35 - 42	39.23
SiO ₂	<0.30	0.15	<0.50	0.21
TiO ₂	<0.30	0.18	<1.5	1.29
Fe ₂ O ₃	<0.10	0.046	<0.3	0.097
	ZAA25		ZAB25	
	Specification (%)	Typical (%)	Specification (%)	Typical (%)
Al ₂ O ₃	68 – 72	71.85	68 – 72	70.47
ZrO ₂	23 – 28	25.82	23 – 28	26.53
SiO ₂	<0.50	0.36	<0.60	0.52
TiO ₂	<0.50	0.41	<1.50	1.26
Fe ₂ O ₃	<0.10	0.02	<0.30	0.16
Physical Properties				
Color	Grey			
Specific Gravity	Zir-25 : 4.05 g/cm ³ Zir-40 : 4.6 g/cm ³			
Loose bulk density	1.72 - 2.22 g/cm ³			
Melting point	1950 degree C			
Hardness	9.2 Mohs			
Structure	Micron Crystal			
Crystal size	5 - 15 micron meter			

Grain sizes have two types: F grit for making grinding wheels.

P grit for making belt.

Packing by 25kg paper bag, 40 bags on a pallet.