



Fused Alumina-Zirconia

AZE-25

AZE-25 is a fused alumina-zirconia obtained from the fusion of zircon sand, zirconia ore and alumina in electric arc furnaces. AZE-25 presents high toughness, being recommended for high performance bonded abrasives.

Grades

Shape Treatment	Blocky	Super Blocky
Not Treated	AZE-25 R	AZE-25 HD R
Red Coated (RC)	AZE-25 RC R	AZE-25 RCHD R
Silane Treated (ST)	AZE-25 ST R	AZE-25 STHD R

General Properties

True Specific Gravity
Hardness (Knoop-100)
Toughness (ANSI-B.74.8.1987)

4.15 g/cm³
1450 Kgf/mm²
85 %

Typical Chemical Content

Al ₂ O ₃	ZrO ₂	TiO ₂	Fe ₂ O ₃
73.3	25.2	0.30	0.28

Bulk Density (g/cm³)

Grit Size	R	HD	Grit Size	R	HD
4	2.10-2.20	2.30-2.40	30	2.01-2.11	2.21-2.31
6	2.15-2.25	2.35-2.45	36	2.01-2.11	2.21-2.31
8	2.15-2.25	2.35-2.45	40	2.01-2.11	2.21-2.31
10	2.25-2.35	2.45-2.55	46	2.01-2.11	2.21-2.31
12	2.21-2.31	2.41-2.51	54	1.99-2.09	2.19-2.29
14	2.15-2.35	2.35-2.45	60	1.96-2.06	2.16-2.26
16	2.10-2.20	2.30-2.40	70	1.96-2.06	2.16-2.26
20	2.05-2.15	2.25-2.35	80	1.96-2.06	2.16-2.26
22	2.04-2.14	2.24-2.34	90	1.93-2.03	2.13-2.23
24	2.03-2.13	2.23-2.33	100	1.91-2.01	2.10-2.21

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