

PRODUCT DATA SHEET
WHITE FUSED ALUMINA
A GRADE ROLL CRUSHED SIZES



Chemical Analysis (by XRF) for 3-1

Element	Typical	Guaranteed
Al ₂ O ₃ (%)	99.7	≥ 99.3
SiO ₂ (%)	0.025	≤ 0.03
Fe ₂ O ₃ (%)	0.02	≤ 0.10
TiO ₂ (%)	0.005	≤ 0.01
Na ₂ O (%)	0.18	≤ 0.30
CaO (%)	0.05	≤ 0.10

Typical Properties for 3-1

Element	Typical
Specific Gravity	3.99
Porosity	5%
Loose Bulk Density	1900 kg/m ³
Particle Strength	33 kg/particle
Thermal Expansion (1000°C)	0.76%
Melting Point	2050°C

Metric Sizes - Roll Crushed

Size	Sieve Size (in µm)				
	Guaranteed Distribution (cumulative wt %)				
	Typical Distribution (cumulative wt %)				
2-1	2000 µm	1400 µm	1180 µm	1000 µm	850 µm
	≤ 1 0	- 40	- 67	≥ 90 92	≥ 95 99
2-0.5	2000 µm	1400 µm	1000 µm	600 µm	425 µm
	≤ 1 0	≥ 20 32	- 68	- 98	≥ 95 99
2-0.3	2000 µm	1400 µm	1000 µm	500 µm	250 µm
	≤ 1 0	≤ 25 19	- 49	≥ 60 78	≥ 95 99
1-0.5	1400 µm	1000 µm	710 µm	600 µm	500 µm
	0 0	≤ 5 2	≥ 30 45	- 76	≥ 90 96
0.5-0.2	710 µm	500 µm	355 µm	300 µm	212 µm
	0 0	≤ 5 1	- 47	- 78	≥ 95 99
0.5F	500 µm	250 µm	75 µm		
	≤ 5 1	30-50 42	≥ 80 88		
0.3F	300 µm	212 µm	125 µm	90 µm	75 µm
	≤ 5 1	10-40 24	- 60	- 76	80-95 84

Other sizes are available on request.

Other Information

See www.doral.com.au for Material safety data sheet
 EINECS NO. 215-691-6
 CAS NO. 1344-28-1

Packing

Standard packing is in 1 tonne bulk bags or 25kg multi-wall paper bags.

Contact Details

To obtain further information about our products, please send an email to doral@doral.com.au

Contact: **Graeme O'Grady**
Group Marketing Manager
 Phone: +61 8 9439 8835 Fax: +61 8 9439 2892
 Email: Graeme.ograd@oral.com.au

Contact: **Lloyd Kaiser**
Marketing Manager – Global Development
 Phone: +61 8 9439 8838 Fax: +61 8 9439 2892
 Email: lloyd.kaiser@doral.com.au

Document: PDS-010-3a – DFM – AWA A Grade Roll Crushed
 Last reviewed on 16/12/2009

Information herein is given in good faith as authoritative and valid,
 however, no warranty, expressed or implied can be made.