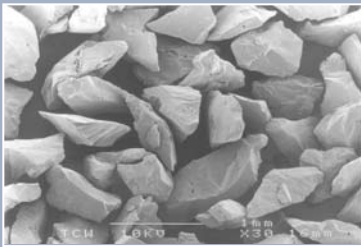


Characteristics:

Type	White fused aluminium oxide	
Colour	white	
Melting point	2050°C	
Linear expansion coefficient	8·10 ⁻⁶ /K (20-1000°C)	
Thermal conductivity *	36 W/(m·K) (25°C) 6 W/(m·K) (1100°C)	

* based on one crystal - porosity: 0

TREIBACHER ALODUR® WRG is a synthetic hard mineral based on α - aluminium oxide. It is produced in electric arc furnaces by electro thermal fusion at temperatures around 2050°C.

Applications:

For producing high refractory castables and bricks for linings of melting furnaces, melting pots, heat treatment furnaces, revolving cylindrical furnaces, high temperature combustion chambers, chemical reactors, agitator vessels etc. In the manufacture of carriers for resistance heating, expendable parts in drawing dies, saggars, catalyst carriers.

- Dense materials for carbon-black reactors
- Castables for Tundish (bottom area)
- Induction furnace roofs

Grits available:

TREIBACHER ALODUR® WRG is available in below mentioned splits. Special sizes are available on request. Also available in straight grits from 8 to 240, sized in accordance with the applicable FEPA / ISO and ANSI sieve standards.

Standard splits:

3 - 6 mm	0,5 - 1 mm	0 - 0,5 mm
1 - 3 mm	0,1 - 0,5 mm	0 - 0,2 mm
0 - 1 mm	0 - 0,15 mm	0 - 0,1 mm

Typical chemical analysis in wt.-%:

	Al ₂ O ₃	Total iron as Fe ₂ O ₃	Na ₂ O
1 - 3 mm	99,72	0,04	0,24
0 - 0,2 mm	99,46	0,09	0,45

Supplementary sheet:

Standard splits:

Grit mm	SIEVE ANALYSIS						
	ASTM µm	Nr. 0.265 6700	Nr. 3 ½ 5600	Nr. 4 4750	Nr. 5 4000	Nr. 7 2800	Pan <2800
3 - 6	Residues in %	0 - 5	0 - 30	20 - 55	20 - 40	5 - 25	0 - 5
	ASTM µm	Nr. 7 2800	Nr. 10 2000	Nr. 18 1000	Pan <1000		
1 - 3	Residues in %	0 - 5	25 - 40	55 - 70	0 - 5		
	ASTM µm	Nr. 18 1000	Nr.35 500	Pan <500			
0,5 - 1	Residues in %	0 - 10	75 - 100	0 - 15			
	ASTM µm	Nr. 18 1000	Nr. 35 500	Nr. 70 212	Nr. 170 90	Pan <90	
0 - 1	Residues in %	0 - 5	40 - 55	25 - 55	5 - 25	0 - 10	
	ASTM µm	Nr. 35 500	Nr. 70 212	Nr. 140 106	Pan <106		
0,1 - 0,5	Residues in %	0 - 5	45 - 70	30 - 55	0 - 5		
	ASTM µm	Nr. 35 500	Nr. 70 212	Nr. 140 106	Pan <106		
0 - 0,5	Residues in %	0 - 5	50 - 60	20 - 30	10 - 25		
	ASTM µm	Nr. 70 212	Nr. 140 106	Nr. 230 63	Pan <63		
0 - 0,2	Residues in %	0	10 - 30	30 - 40	30 - 60		
	ASTM µm	Nr. 60 250	Nr. 140 106	Nr. 230 63	Pan <63		
0 - 0,15	Residues in %	0	8 - 16	28 - 44	48 - 60		
	ASTM µm	Nr. 100 150	Nr. 140 106	Nr. 230 63	Pan <63		
0 - 0,1	Residues in %	0	1 - 5	20 - 30	65 - 85		