White Fused Alumina WFA

Coated quality WFA-SIL available.

WFA Macro Grits

Additive for abrasion resistance in coatings and paints

Additive for the abrasives industry and for the refractory industry

Iron-free blasting agent, e.g. for aluminium, optics and in the dental industry

Electrically insulating, thermally conductive filler

Colour:	white
Specific density:	3.9 g/cm^3
Hardness according to	9
Melting point:	ca. 2040
Thermal conductivity:	41.9

Grain size distributions according to FEPA:

F 010	F 012	F 014	F 016	F 020	F 022	F 024	F 030	F 036	F 040	
2360-1700	2000-1400	1700-1180	1400-1000	1180-850	1000-710	850-600	710-500	600-425	500-355	
F 046	F 054	F 060	F 070	F 080	F 090	F 100	F 120	F 150	F 180	F 220
425-300	355-250	300-212	250-180	212-150	180-125	150-106	125-90	106-63	90-63	75-53

Nominal grain sizes in µm.

Chemical composition (average analysis):

	wt%
Al_2O_3	99.42
SiO_2	0.07
Fe_2O_3	0.05
Na_2O	0.37
CaO + MgO	0.05
Loss on ignition (1025 °C)	-0.10

XRF measurements related to the annealed substance, nominated for 100.

The mass fractions of K_2O, TiO_2, ZrO_2, Mn_3O_4, Cr_2O_3, P_2O_5 and SrO are 0.01 or less each.

The chemical analysis varies depending on the grain size.

White Fused Alumina WFA

Coated quality WFA-SIL available.

WFA Micro Grits

Additive for scratch and abrasion resistance in coatings and paints

Additive for the abrasives industry and for the refractory industry

Iron-free blasting agent, e.g. for aluminium, optics and in the dental industry

Electrically insulating, thermally conductive filler

Colour:	white
Specific density:	3.9 g/cm^3
Hardness according to	9
Melting point:	ca. 2040 °C
Thermal conductivity:	41.9 W/(m·K)

Grain size distributions according to FEPA [µm]:

	F 230	F 240	F 280	F 320	F 360	F 400	F 500	F 600	F 800	F 1000	F 1200
d_3	<82	<70	<59	<49	<40	<32	<25	<19	<14	<10	<7
d_{50}	50,0-56,0	42,5-46,5	35,0-38,0	27,7-30,7	21,3-24,3	16,3-18,3	11,8-13,8	8,3-10,3	5,5-7,5	3,7-5,3	2,5-3,5
d_{94}	>34	>28	>22	>16,5	>12	>8	>5	>3	>2	>1	>1

Chemical composition (average analyses):

	F 230 – F 240	F 280 – F 360	F 400 - F 600	F 800 - F 1200
	wt%	wt%	wt%	wt%
Al_2O_3	99.30	99.05	98.79	98.54
SiO_2	0.02	0.03	0.12	0.12
Fe_2O_3	0.05	0.06	0.08	0.09
Na_2O	0.46	0.74	0.81	1.02
CaO + MgO	0.05	0.05	0.07	0.11
K_2O	0.07	0.07	0.11	0.08
Loss on ignition (1025 °C)	-0.10	-0.14	-0.23	-0.43

XRF measurements related to the annealed substance, nominated for 100.

The mass fractions of TiO_2, ZrO_2, Mn_3O_4, Cr_2O_3, P_2O_5 and SrO are 0.01 or less each.

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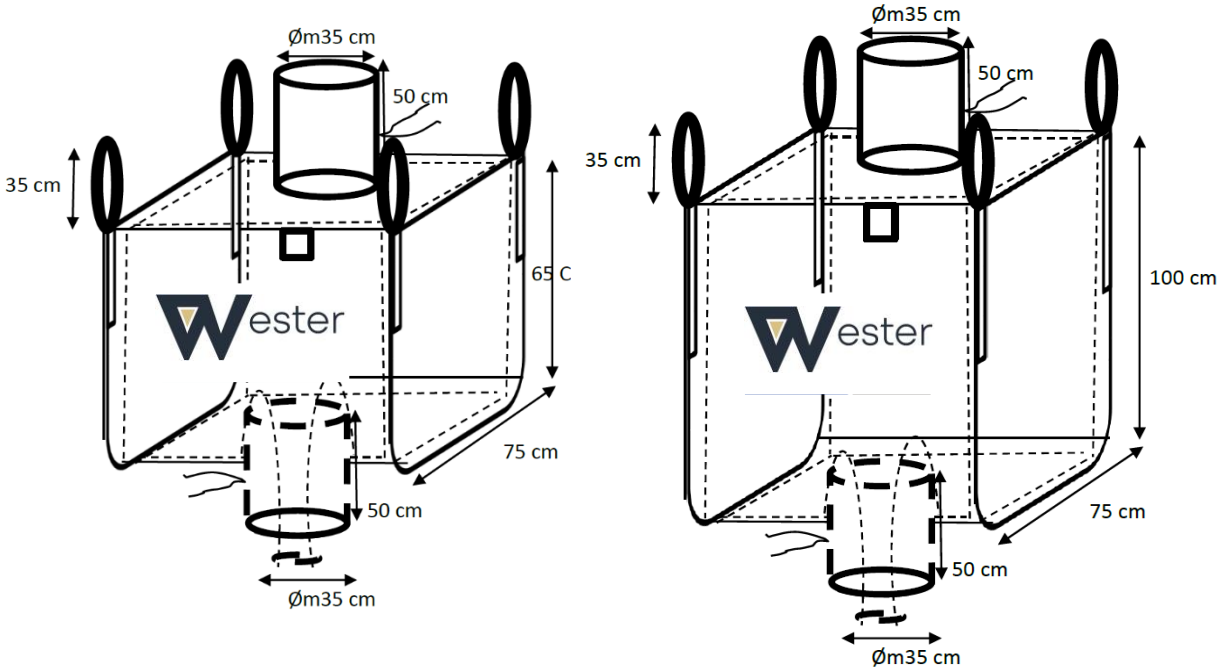
White Fused Alumina WFA

Coated quality WFA-SIL available.

Containers:

- 25 kg | paper sacks | up to 75 kg per package | from 100 kg on a pallet, provided with a shrink hood.
- 0,5 – 2 t | PP big bags* with or without inliner | on a pallet, provided with a shrink hood.

*according to ISO 21898



The lifting loops of a big bag must all be used at the same time.

Each batch is marked with article description, batch number, container size (quantity), batch quantity and production date.

Optimal storage conditions for our products and their packaging:

- protection against moisture
- protection against excessive sun exposure
- moderate temperatures
- carefully close or cover opened containers after use
- place/stack on a stable surface

If you have any questions about stability and storage, just contact us – we will be happy to advise you.