

OTHER POPULAR PRODUCTS

PFA ABRASIVE / REFRACTORY



PFA IS PRODUCED BY ADDING CHROMIUM, RESULTING IN INCREASED HARDNESS AND TOUGHNESS. A HIGHER TOUGHNESS THAN WFA MAKES IT PARTICULARLY SUITABLE FOR PRODUCTION OF GRINDING WHEELS.

Product code: OM-PF

Description

Pink Fused Alumina belongs to the group of electro-corundum. It is produced by controlled melting of calcined bauxite in an electric arc furnace. Pink fused alumina is iron-free and extremely tough.

Applications

- Grinding wheels
- Ceramic grinding wheels
- Tool grinding
- Precision, profile grinding



PFA ABRASIVE /REFRACTORY

REGULAR REFRACTORY SIZES

Metric	Avg. Grain Size
	0 - 1
	1 - 3
	3 - 5
	5 - 8

AVAILABLE SIZES

SPECIAL SIZES

Specialty sizes available upon request

REGULAR SIZES & TYPICAL BULK DENSITY

FEPA	Avg. Grain Size (µm)	Typical Bulk Density (g/cm³)
F008	2000 - 2800	1,72 - 1,88
F010	1700 - 2360	1,72 - 1,88
F012	1400 - 2000	1,71 - 1,87
F014	1180 - 1700	1,69 - 1,85
F016	1000 - 1400	1,69 - 1,85
F020	850 - 1180	1,69 - 1,82
F022	710 - 1000	1,69 - 1,82
F024	600 - 850	1,69 - 1,82
F030	500 - 710	1,69 - 1,80
F036	425 - 600	1,69 - 1,75
F040	355 - 500	1,65 - 1,75
F046	300 - 425	1,65 - 1,75
F054	250 - 355	1,62 - 1,75
F060	212 - 300	1,60 - 1,75
F070	180 - 250	1,58 - 1,75
F080	150 - 212	1,56 - 1,70
F090	125 - 180	1,49 - 1,65
F100	106 - 150	1,49 - 1,65
F120	90 - 125	1,49 - 1,65
F150	63 - 106	1,45 - 1,65
F180	63 - 90	1,45 - 1,65
F220	53 - 75	1,45 - 1,65

Micro Sizes - available upon request

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃	98,86%
SiO ₂	0,03%
Fe ₂ O ₃	0,05%
Na ₂ O	0,29%
Cr ₂ O ₃	0,65%

TYPICAL PHYSICAL PROPERTIES

Hardness	9 mohs
Grain shape	Angular, with sharp edges
Specific gravity	Approx. 3,9 - 4,1 g/m ³
Bulk density (Dependent upon granular size)	Approx. 1,45 - 1,90 g/m ³

PACKAGING

- 25 kg paper or plastic bags on pallet up to 1 ton
- 1 ton loose in bulk bag
- Other packaging available upon request

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