

Technical Data Sheet Premium Pink Aluminium Oxide

Trade Name: Premium Pink Fused Alumina
 Part Reference: PWA
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SECTION 1 Chemical Analysis

Our high quality pink fused alumina is manufactured from calcined alumina with a small addition of chrome

Application: One of the toughest fused aluminas available, the addition of typically 0.2% chrome within the melt of the fusion process renders a tougher grain than that of white fused alumina. It is used in dry and wet blasting applications, particularly aerospace and nuclear. In addition it has been a popular product used in bonded abrasive.

Substance	Chemical Formula	Typical Content %
Aluminium Oxide	Al ₂ O ₃	99.4
Silicon Dioxide	SiO ₂	0.02
Iron Oxide	Fe ₂ O ₃	0.02
Chromium Oxide	Cr ₂ O ₃	0.25
Sodium Oxide	Na ₂ O	0.2

SECTION 2 Physical Properties

Shape	Semi Angular
Colour	Pink
Specific Gravity	3.89 g/cc
Bulk Density	subject to grade/size distribution
Hardness	9.5 moh/2200 knoop Diamond
Packaging	25kg multi-ply paper sacks

SECTION 3 Particle Size Distribution

FEPA F and P grits in the macro range 8 to 220 mesh and in the micro range 240 to 1200 mesh. Bespoke and blended grades are available on request.

SECTION 4 Compliance

This product is REACH compliant. See SDS 38A on our web site.

Special Precautions. In use, protection is required to meet threshold limit values for general dusts of 10 mg/m³ (for total inhalable dust) and 5 mg/m³ (respirable dust). Please also note the OELs for amorphous silicon dioxide dust of 6mg/m³(inhalable) and 2.4 mg/m³ (respirable). The user must establish any hazards present in the surface coatings being removed, which may reduce the occupational exposure standard (O.E.S.).

SECTION 5 Disposal

The abrasive must be disposed of in accordance with national legislation (See Section 16) and local regulations. The material as supplied is classed as a non-hazardous inert solid waste. Spent abrasive used as a blasting medium must be disposed of under classification 12 01 16 (waste blasting material containing dangerous substances) or 12 01 17 (waste blasting material other than those mentioned in 12 01 16). The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

SECTION 6 Handling and Storage

Load per pallet should not exceed 1 tonne and the pallets should not be stacked more than two high. Material should be kept dry.