

Product Description

PEVO Activated Alumina is a high-purity, thermally activated aluminium oxide.

The material is designed for adsorption, drying, purification, and catalytic applications. The material combines **high surface area, excellent mechanical strength, low attrition, and exceptional chemical purity.**

Several spherical sizes are available to satisfy customer's needs.



Physical & Technical Properties

Property	Value
Appearance	White spheres / granules
Bulk density	~0.75 g/cm ³
Specific surface area	250–350 m ² /g
Pore volume	0.40–0.50 cm ³ /g
Particle size	According to specification
Crush strenght	≥160 (N/particle)
Abrasion loss	≤ 0.03 (%)

Packaging Options

- ✓ 25kg PE bags
- ✓ 150kg steel drums
- ✓ 550kg big bags
- ✓ Custom packaging

Chemical Composition

Component	Value (% w/w)
Al ₂ O ₃	≥93
Water (300-1000°C)	≤ 7
Na ₂ O	≤ 0.3
CaO	≤ 0.05
Fe ₂ O ₃	≤ 0.02

Functional Characteristics

- ✓ High adsorption capacity for water and polar molecules (typically up to 20–25% w/w water adsorption at 60–75% relative humidity)
- ✓ Regenerable by heating (150–350 °C)
- ✓ Chemically inert with high thermal stability
- ✓ Excellent mechanical strength
- ✓ Suitable for repeated adsorption–desorption cycles

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Disclaimer

This Technical Data Sheet is based on experimental data submitted in the REACH registration dossier (IUCLID). Values represent typical production ranges and do not constitute a specification.