

Abb HSF Fe Active Zinc Oxide

Product description mixture of Active Zinc Oxide RC100 and iron hydroxide

Appearance brick-clay granules



Properties and application

Active Zinc Oxide Abb HSF Fe has the property of binding hydrogen sulfide. It is used to remove hydrogen sulfide from biogas, which is the product of anaerobic digestion of sludge in municipal and agricultural wastewater treatment plants, for desulphurization of landfill biogas, coke oven gas and synthesis gas. The optimized density, in relation to the porosity of the material, ensures high binding efficiency with minimal flow resistance.

Product characteristics

Composition		
Active Zinc Oxide RC100	[%]	60
Iron hydroxide	[%]	40
Properties		
Hydrogen sulfide absorption		
• oxygen conditions	[mg H ₂ S/cm ³]	70
• anaerobic conditions	[mg H ₂ S/cm ³]	55
Siloxane number	[% m/m]	20
BET surface area	[m ² /g]	>150
Bulk density	[kg/m ³]	600

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