

PRODUCT INFORMATION

SPEC-NO. SIO - 09

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Brand Name	OBRA desiccant clay		
Product Description	<p>OBRA desiccant clay is a naturally occurring calcium bentonite, consisting of approx. 90 % of the mineral montmorillonite.</p> <p>The raw clay is being activated by a special calcination process.</p> <p>Calcium bentonite has a layer structure. Water molecules can be reversible adsorbed in its spacing at enlargement of the layer distance. Due to that characteristic feature OBRA desiccant clay is particularly suitable for the adsorption of water vapour.</p>		
Formula	$Al_2 [(OH)_2 / Si_4O_{10}] \cdot n H_2O$		
CAS-No.	1302-78-9 (bentonite)		
Physico-chemical Characteristics	Adsorption capacity (on dry basis, 40 % RH, 20 °C)	17.0 % min.	
	Moisture loss (4 h, 140 °C)	1.5 % max.	
	pH (10 % aqueous extract)	8 max.	
	Bulk density	875 ± 75g/l	
	Grain size	1.0 - 4.0 mm > 6.3 mm 0 % < 0.25 mm 2.0 % max.	
	Appearance	grey-white, grey-brown or purple granules	

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Applications

Because of its adsorption properties OBRA desiccant clay is being used for various applications of static dehumidification processes. Air and other gases can be effectively dried. OBRA desiccant clay is mainly applied in form of desiccant bags according DIN 55 473 for the protection of products, which are sensitive to humidity.

Packaging

Big bags with inlaid pe inliner bags of up to 1,000 kg net weight.

Handling

OBRA desiccant clay must always be kept in airtight containers to avoid pre-adsorption with water vapour. Face masks should be used at continual exposure to extensive dusting.

Note

Any details of application possibilities do not free the purchaser from the obligation of performing his own tests on the material supplied by the seller in order to determine their suitability for the intended processes and purposes. Application, use and processing of the material cannot be controlled by the seller and are thus the sole responsibility of the purchaser.

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