

Technical Data Sheet Desiccant Clay / TYVEK

DESICCANT CLAY

TYPICAL APPLICATION:	Desiccant clay is a desiccant material used to remove moisture from the environment. The product is usually used to produce desiccant bags.
DESICCANT COMPOSITION:	Activated Clay is a natural Calcium Bentonite (Bentonites are Hydrated aluminosilicate of sodium, calcium, magnesium.). Cas Nr: 1302-78-9. For more information about the chemical composition see the TDS 78. Labelling and classification: none For further information see the Clay safety data sheet MSDS1.
CHARACTERISTICS:	Clay is desiccant material in conformity with Technical standards DIN 55473, MIL 3464E, NFH00320. The clay is a natural mineral product without any chemical modification.
SHAPE:	Grains.
PARTICLE SIZE:	We have two different types of clay : Size 0,5 -1,8 mm - Max 2 % out of range - generally used inside desiccant bags size 1 unit – 1/6 unit Size 1,8 mm – 4,0 mm - Max 2 % out of range -generally used inside desiccant bags size 2 unit – 32 unit
RE-ACTIVATION:	Both types are in the range 0,25 – 6,3 mm in conformity with DIN 55473. Oven 145 °C, until reaching sample weight constancy.
COLOUR:	Natural colour. The product has different colour due to the natural chemical composition (Typical colours are gray – white- violet). Clay does not change colour when it absorbs water vapour.

TECHNICAL SPECIFICATIONS:

PARAMETERS	MEASURE UNITS	VALUES	STANDARDS
Water vapor Adsorption capacity	(Wt.%)	(6,0 ± 0,5)% @ 10 % R.H. – 23 °C (9,5 ± 1)% @ 20 % R.H. – 23 °C (18 ±2)% @ 40 % R.H. – 23 °C (30 ±2)% @ 90 % R.H. – 23 °C	DIN 55473 test climatic chamber
Residual Humidity	(%)	2% max	145 °C – 4 Hours
Density	Kg/ l	0,8 – 1,1	BS 3482 . Part 10
PH		7,5±1 Accepted range (3,5 – 8,5)	DIN 55473 Method
Conductivity	S/m	< 0,3 S/m	DIN 55473 Method

STORAGE : Clay adsorbs moisture when exposed to the environment. Desiccant bags must be stored in original packaging or in an airtight container. Store desiccant bags in original packaging.

LEGISLATION:

Reach Regulation: Desiccant clay is a natural mineral product (without modification), so it is not necessary to register the product in compliance with article 2 (7) / (b), (see Annex V of the Regulation 1907/2006 in section 7).

Decision 1723 dated 17/03/2009 (c) : the desiccant clay does not contain Dimetyl Fumarate or other Biocide.

The product is in compliance with the **RoHS Directives and Directive 94/62 CE (heavy metals)**.

The product is BSE-free (Bovine Spongiform Encephalopathy)



ENVELOPE OF THE DESICCANT BAG

PRODUCT NAME: TYVEK 2FS

PRODUCT: TYVEK[®] style 2FS[™] laquered (Dupont Tyvek[®] style 4058 B)*
TYVEK[®] is a wrapping material to produce desiccant bags type "B" (Dust proof)
DIN55473.

Din Certco approves the use of the Tyvek[®] to produce the following Desiccant bags types

1/6, 1/3, 1/2, 1-2- 4 - 8 - 16 (Desiccant units DIN 55473).

Reference name: "Tyvek[®]"

Certificate number: 5B002 / 28/02/2016.

Test Report BFSV Laboratory: n ° **4258/98** , n ° **6490/08**

TECHNICAL DATA SHEET:

COMPOSITION: non woven made with PE spunbonded

COLOR: White

THICKNESS: 125 microns + / -10%

WEIGHT: 70 g/m² + / -10%

TENSILE STRENGTH: (MD): 1,4 N ASTM D 1922-93
(CD): 2 N ASTM D 1922-93

BENDTSEN POROSITY: 100 ml/min. DRG 179

REGULATIONS CONFORMITY:

Food contact Regulation: The individual components of the product meet the following requirements:

Tyvek: FDA 21 CFR 176.170

German BfR Empfehlung XXXVI

Lacquer component A: FDA 21 CFR 177.1330

Regulation (EC) 10/2011

Lacquer component B: FDA 21 CFR 177.170

This is a wax based material not regulated by EC regulation 10/2011. The component meet the requirements of German BfR Empfehlung XXV.

Packaging and packaging waste- The product is in conformity with the European Directive 1994/62/CE .

Directive 2003/11/CE the product does not contain PBDE and OBDE.