



TECHNICAL DATA SHEET

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Commercial name

PROPASEC GREEN R

Company identification

Producer : PROPAGROUP S.p.A.

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1. Description and application

PROPASEC GREEN R is a desiccant bag containing natural clay for absorbing excess moisture and externally covered with a non-woven tissue made with GRS (Globe Recycled Standard) certified recycled plastic.

2. Reference standards

The reference standards are as follows:

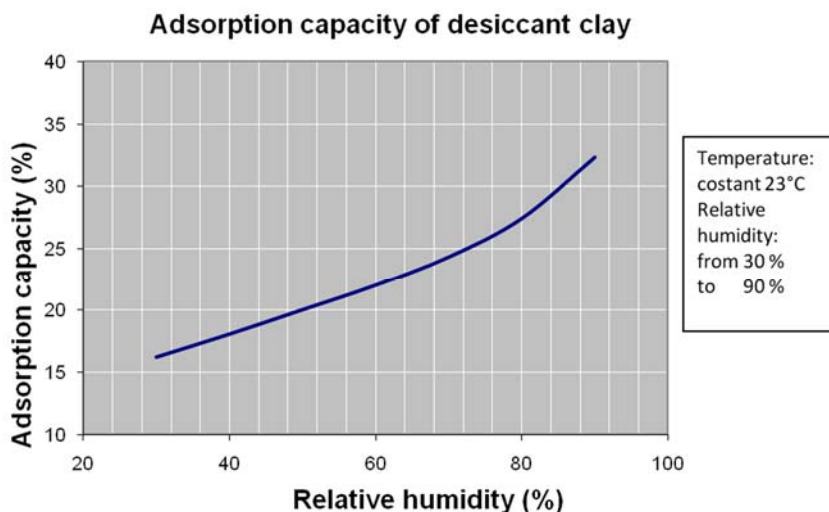
- DIN 55473
- MIL D 3464 E
- NFH00-321

3. Chemical and physical characteristics

3.1 Definition of a dehydrating unit according to DIN 55473

A dehydrating unit defines the quantity of product that absorbs a minimum quantity of 6.0g of steam at an air temperature of 23 ± 2 °C and with a 40% relative humidity.

3.2 Adsorption curve





3.3 Dehydrating material

Calcium bentonite (montmorillonite - CAS-No. 1302-78-9 - EC-No. 215-108-5), commonly called clay, of natural origin and chemically inert, non-corrosive and mainly consisting of magnesium and calcium silicate aluminium.

Main chemical and physical characteristics (DIN 55473):

pH (10% solution)	3,5 - 8,5
Conductivity (10% solution)	< 0,3 S/m
Soluble Substance in water	≤ 2%
Granulometry	0,25 - 6,3 mm
Residual Moisture (120°C)	< 2%

3.4 Packaging material

Permeable non-woven tissue bag made with GRS (Globe Recycled Standard) certified plastic, which allows the absorption of water vapor inside the bag itself.

The GRS standard recognizes the importance of recycling for the growth of a sustainable production and consumption model, with the aim of promoting the reduction of resource consumption (virgin raw materials, water and energy) and increasing the quality of recycled products ensuring the content of recycled materials in their products, the maintenance of traceability throughout the entire production process, the restrictions in the use of chemical products and the respect of environmental and social criteria.

This non-woven tissue, in accordance with DIN 55473, is classified as Class B - Total dust retention (regardless of the desiccant units, the bag must not release a quantity of dust exceeding 1 mg).

3.5 Approximate dimensions, weights and unit of measurement

DIN - MIL	NFH	Approximate net weight (1) (g)	Approximate size (mm)
32 TME (2)	2 UD (3)	1088	200x240
16 TME	1 UD	544	150x220
8 TME	1/2 UD	272	150x160
4 TME	1/4 UD	136	95x150
2 TME	1/8 UD	68	95x140
1 TME	1/16 UD	34	70x130
1/2 TME	1/32 UD	17	70x100
1/3 TME	1/50 UD	12	70x85
1/6 TME	1/100 UD	6	40x85 55x85

(1)Clay with a mean absorption of 18% has been taken into consideration for calculating the approximate weight.

(2) TME = Trockenmitteleinheit

(3) UD = Desiccant units



3.6 Humidity indicator card

An 8% humidity indicator is placed in each packaging to check the quality of the desiccant bags.

3.7 Suspension system

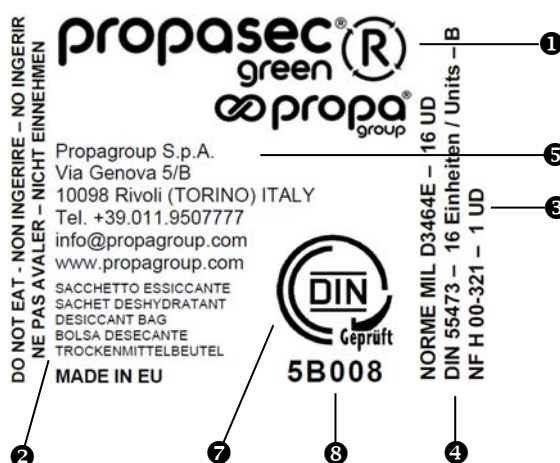
At the customer's request, a slice can be applied to one end of the bag for measures between 1/4 and 2 u.d. NFH. This slice allows the bag to be better positioned inside the packing.

4. Bag print

Each standard version bag has a legible, durable print, which contains the following information:

1. Commercial name
2. Bag name
3. Number of units
4. Indication of reference standards
5. Name and address of the producer
6. Any special requirements shall be specified
7. Next to indication of origin: "DIN-Geprüft" (DIN approved) mark with registration number.
8. DIN identification.

MIL, NFH and DIN standard print





5. Packing

5.1 Type S36 (Standard)

- Europallet 1200x800 mm.
- 36 cartons per pallet (4 levels * 9 cartons per level).
- Maximum height of pallet 1860 mm. (*pallet included*).
- Cartons measuring 390x260x420 H mm.
- Inner bag 440+170+170x900 mm. HDPE 90 micron

5.2 Desiccant bags per carton without group packaging

DIN-MIL unit	32	16	8	4	2	1	1/2	1/3	1/6
NFH unit	2	1	1/2	1/4	1/8	1/16	1/32	1/50	1/100
Carton quantity	20	40	80	150	200	300	600	1000	2000

5.3 Desiccant bags per carton with group packaging

DIN unit	32	16	8	4	2	1	1/2	1/3	1/6
Group packaging quantity	3	5	10	15	30	50	60	80	100
Carton quantity	18	40	80	105	210	300	600	800	1200

6. Shelf life

The shelf life of the PROPASEC GREEN R is 36 months from the date of production if kept inside the original packaging, perfectly sealed, in a dry place and not directly exposed to the sunlight.

Before using of the desiccant bags, it's always necessary to check the indication shown on the humidity indicator cards placed in each box (blue= desiccant bags active / pink= desiccant bags not active).

7. Production and Quality

PROPAGROUP is UNI EN ISO9001 / ISO14001 certified and produces in accordance with the requirements of the main European and international standards in the sector.

The values indicated here are the result of standardised lab tests and meant only as an indication to help select and use the products. The user is responsible for ensuring the suitability and completeness of such information in relation to how the product is to be used.

Written by: Technical Management

Revised by: Quality Department

Approved by: Management