

TECHNICAL DATA SHEET

DESI PAK™

Desiccant [bags]

CLARIANT 



OVERVIEW

Clariant's Desi Pak desiccants are manufactured from bentonite clay, a naturally occurring mineral. Its layered silicate structure enables moisture to be attracted and adsorbed onto its surface and in between the gaps of its high pore volume layers.

The highly adsorbent desiccants are filled in bags made of water vapor permeable film materials with adequate durability. Different non-woven film materials, composites, plastic-free & bio-based paper (Desi Pak ECO) and Tyvek™ can also be used.

When the desiccant bags are placed within a sealed package or container, the relative humidity (RH) inside can be reduced up to below 40% to offer reliable protection against corrosion and other moisture damage.

DESI PAK AVAILABLE CONFIGURATIONS

We produce a variety of configurations including different non-woven film materials, bags with integrated humidity indicator spots, bag strips and bags with antistatic properties.

Our products meet certain global specifications and their defined quality and performance requirements:

- DIN 55473 Type B
- TL 6850-0008
- AFNOR NF H 00321
- Mil-D-3464E (Military Spec)
- JEDEC for semiconductor packaging
- European food regulations
- NATO Stock Number (NSN)



Other configurations available on demand to meet customer specific needs.

Publisher

BUSINESS SEGMENT
CARGO & DEVICE PROTECTION
BU ADSORBENTS & ADDITIVES

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January 2026 (released)

1. DIN DESI PAK BAGS: DIN 55473:2021-07

1.1 TYPE B (DUST TIGHT), CARTON PACKAGING

INTERNAL REF.	PRODUCT CODE	DIN Units U	DIMENSIONS mm	PACKAGING Pieces per		
				PE* bag	Carton Box	Pallet
B001602	24882227656	1/6	60 x 60	100	1,500	72,000
B002602	24882627656	1/3	85 x 60	80	1,040	49,920
B003602	24883127656	1/2	100 x 60	60	780	37,440
B004609	25085627656	1	100 x 65	50	350	16,800
B005610	25085727656	2	115 x 85	30	210	10,080
B006601	24788227656	4	155 x 85	15	105	5,040
B007603	24885427656	8	150 x 145	10	60	2,880
B008625	24788927656	16	220 x 145	5	30	1,440
B009625	24789227656	32	270 x 200	3	15	720

*PE: Polyethylene transportation barrier bag

1.2 TYPE B (DUST TIGHT), BULK PACKAGING (POOL BOXES)

INTERNAL REF.	PRODUCT CODE	DIN Units U	DIMENSIONS mm	PACKAGING Pieces per		
				PE bag	Carton Box	Pallet
B006605	26350028247	4	155 x 85	50	-	3,150
B007604	24788427677	8	150 x 145	25	-	1,575
B008624	24788827677	16	220 x 145	5	-	865
B009627	24789327677	32	270 x 200	3	-	432

1.3 TALD TYPE B (DUST TIGHT), CARTON PACKAGING

INTERNAL REF.	PRODUCT CODE	DIN Units U	DIMENSIONS mm	PACKAGING Pieces per		
				PE bag	Carton Box	Pallet
B001602	24882227656	1/6	60 x 60	100	1,500	72,000
B002604	24882627656	1/3	85 x 60	80	1,040	49,920
B003602	24883127656	1/2	100 x 60	60	780	37,440
B004615	32893527656	1	100 x 65	50	350	16,800
B005615	32882427656	2	115 x 85	30	210	10,080
B006625	31650727656	4	155 x 85	15	105	5,040
B007621	32903827656	8	150 x 145	10	60	2,880
B008620	32910727656	16	260 x 145	5	30	1,440

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2. AFNOR DESI PAK BAGS: NF H 00321 NORM

2.1 AFNOR, CARTON & BULK PACKAGING

INTERNAL REF.	PRODUCT CODE	AFNOR Units UD	DIMENSIONS mm	PACKAGING Pieces per		
				PE bag	Carton Box	Pallet
B001603	26311227656	1/100	60 x 60	1,800	1,800	86,400
B002603	26349827656	1/50	85 x 60	1,200	1,200	57,600
B003603	25085527656	1/32	100 x 60	780	780	37,440
B004610	26349927656	1/16	100 x 65	350	350	16,800
B005609	26311327656	1/8	115 x 85	210	210	10,080
B006604	25085827656	1/4	155 x 85	100	100	4,800
B007611	26350127656	1/2	150 x 145	60	60	2,880
B008623	24788727656	1	220 x 145	32	32	1,536
B009626	26350428247	2	270 x 200	15	15	720
B009600 Pool Box	26350328247	2	270 x 200	10	-	420

2.2 AFNOR WITH SPOT 40% RH, CARTON & BULK PACKAGING

INTERNAL REF.	PRODUCT CODE	AFNOR Units UD	DIMENSIONS mm	PACKAGING Pieces per		
				PE bag	Carton Box	Pallet
B003650 ^B	26426427656	1/32	80 x 65	230	690	33,120
B004650 ^B	26757527656	1/16	100 x 65	350	350	16,800
B005650 ^B	26426727656	1/8	115 x 85	210	210	10,080
B006650 ^B	26426927656	1/4	155 x 85	100	100	4,800
B007650 ^F	26427027656	1/2	160 x 145	60	60	2,880
B008650 ^F	26427227656	1	220 x 145	32	32	1,536
B009650 ^F Pool Box ^F	26427327677	2	270 x 200	3	-	420

^B Spot located on the back side of the bag

^F Spot located on the front side of the bag



Desi Pak SPOT bags:

Packaging Moisture indicator – Spot color: Blue < 40% R.H. & Pink > 40% R.H.

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STORAGE & SHELF LIFE

For proper storage conditions, keep the material in the original, unopened and undamaged transportation packaging (PE plus its carton box) in a clean and dry environment. Recommended controlled environmental conditions with an average of 40% relative humidity (range 20 - 50%) and 23°C ± 2°C.

Product shelf life is minimum 1 year for PE transportation packed from date of manufacturing for unopened and undamaged original bags stored according to the foregoing. To ensure the high activity of our desiccant bags, they come with 8% RH humidity indicator card inside the PE bag that can be easily read from outside, and show blue color if the desiccant package is < 8% RH.

COMPLIANCE

Clariant's Desi Pak desiccant manufacturing and associated activities comply with the applicable requirements of Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food.

For more compliance information, please contact your sales representative.

FURTHER INFORMATION

All data mentioned in this leaflet are typical for this product and based on average values. Certain deviations can appear due to the processing of raw materials. In no case, are these values to be regarded as specifications. Detailed information concerning application and handling can be taken from our material safety data sheet of the product. For more technical information about the products, please contact your sales representative.

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