

Technical Data Sheet:

High Absorption Desiccant

Material Name: High Absorption Desiccant

Material Description: absorption desiccant is made of calcium chloride mixed with starch, and its packaging material is spun lace non-woven and other high stretch film. Its moisture absorption rate can reach 350% (at 38°C, 90% relative humidity). When the high adsorption desiccant is supersaturated in a high humidity environment, there may be liquid water exudation, so the desiccant should not directly contact with metals and other substances in this case. absorption desiccant has been widely used in a number of occasions that require high moisture absorption, and it is used the most in ocean container transportation.

Component:	Component	Proportion %	CAS No.
	Calcium chloride	>75%	14808-60-7
	Starch	>18%	9003-05-8
	Water	≤7%	7732-18-5

Technological Requirements :	Item	Standard
	appearance	Clean surface and no leakage
	Moisture absorption rate (38°C) RH=90%	≥350%
	Absorption speed (38°C) RH=90%、24H	≥20%
Container stimulation test	20°C、RH=90%	8h
	Under 20°C、RH=90% 40°C、RH=60% cycle test	6h
	40°C、RH=60%	2h
	Under condition 40°C、RH=60% 20°C、RH=90% cycle test	8h
		After 45 days cycle test it shows that absorption rate is ≥180%

Storage: Must be kept in airtight container to avoid absorbing moisture before use.

Notes: The data given here is based on current knowledge and experience. This document is designed to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance. User is liable for his own operation.

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