

Re-activation instructions for Montmorillonite (MT)



- 1, The introduction of re-activation for used montmorillonite raw material.
 - a) Equipment: the moisture saturated montmorillonite can be reactivated by heating using electrothermal furnace, HCB turn, drying oven and so on.
 - b) Temperature: the heating temperature should be controlled range from 120°C to 140°C.
 - c) Heating Time: the heating time usual isn't more than 24 hours. You can stop heating when the moisture content of montmorillonite is less than 1%.

- 2, The introduction of re-activation for used montmorillonite pouch desiccant.
 - a) Remove the packing material of the pouch and then dry the montmorillonite raw material by upper method
 - b) Put the montmorillonite desiccant pouch into heating equipment whose temperature is range from 105°C to 120°C. The packing material of the desiccant pouch should be the Unisel nonwoven whose temperature resistance is more than 150°C.

3, Notes

- a) The heating temperature should increase gradually to avoid damaging the desiccant pouch because of dramatic temperature changing.
- b) Too high temperature will change the structure of montmorillonite to decrease the moisture absorption capacity.
- c) The moisture absorption capacity will decrease 10% to 20% after re-activation each time like below chart. The pouch sealing strength will also be weak after heating. We suggest the desiccant pouch should be heated no more than twice.

