EPOCHEMMIE CO., LTD

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DATA SHEET

Commodity: Molecular sieve 4 A

Composition: 1 Na_2O: 1 Al_2O_3: 2.0 ± 0.1 SiO_2 : x H_2O

Description: This sodium form represents the type A family of molecular sieves. Effective pore opening is 4Å, thus excluding molecules of effective diameter >4Å, e.g., propane

Applications:

Dehydration in closed liquid or gas systems, e.g., in packaging of drugs, electric components and perishable chemicals;

water scavenging in printing and plastics systems and drying saturated hydrocarbon streams

Adsorbed species include SO_2, CO_2, H_2S, C_2H_4, C_2H_6, and C_3H_6

Generally considered a universal drying agent in polar and nonpolar media

Regeneration:

1. Dehydration: At 200-350℃ and in pressure of 0.3~0.5kg/cm3, let a dryer gas goes through the sieve bed for 3~4hours. As the temperature in outlet at 150~180℃, let the bed cool off.
2. Removal of organic components: Replace the organic components with steam, then dehydrate

Specification:

Typical physical & Chemical characteristics

Specification	Balls	
Type	4ABI	4ABII
Size mm	2.0~3.0	4.0~6.0
Bulk density（kg/m³）min	660	660
Crushing strength (N) min	30	70
Attrition loss（%Wt）max	0.4	0.4
Moisture adsorption % min	21	21
Methanol capacity(mg/g) min	140	140