

# XR104A alumina support chloride adsorbent

## Products Introduction:

XR104A **alumina support chloride adsorbent** is an adsorbent used to adsorb and remove chloride from Naphtha, natural gas, H<sub>2</sub>, N<sub>2</sub>, NH<sub>3</sub>, CO, CO<sub>2</sub> & other feed gas in petrochemical. It is good effeient to remove chloride

## Product Information:

In petrochemical production process, chlorine in feed gas could cause poisoning of a variety of catalyst and adsorbent, the failure of adsorbent & catalyst performance, severely corrosivity of devices & equipment, so chlorine removal is necessary. Usually, we adopt solid antichlor to remove chloride in feed gas. XR-104 **alumina support chloride adsorbent** is an high- efficient product to take off chlorine.

There are series types-**Pellets(XR104B) and beads(XR104A)**

IVarious size available for the international condition.

1/8" (3.2mm), 3/16"(4.7mm)

## Characteristics of alumina support chloride adsorbent:

IUniform size

IEven and Uniform activity under high and low temperature

IGood water resistance and strong strength

IUneasy movable active components & chlorine after reaction

IWide application area

**Working service** of Activated alumina for removal of chloride:

Working temperature:5-400°C

Working pressure: ordinary pressure- 0.8MPA

Space velocity: 1000-3000h-1

Bed height-diameter ratio: >3

**Zibo XiangRun Environment Engineering Co., Ltd**

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Dechlorination ratio:  $\geq 99.9\%$

Item	Unit	Technical requirement for XR104A
Appearance		White bead
Particle size	mm	3-5mm, 2-4mm
AL <sub>2</sub> O <sub>3</sub> +promotor	%	$\geq 93$
Bulk density	g/cm <sup>3</sup>	0.75-0.8
Surface area	m <sup>2</sup> /g	$\geq 130$
Pore Volume	ml/g	$\geq 0.4$
Penetration of chlorine capacity(50°C)	%	$\geq 12$
Penetration of chlorine capacity(250°C)	%	$\geq 22$
Crushing Strength (N/Particle)	N/particle	$\geq 85$

**Application** of alumina based chloride adsorbent

XR-104A activated alumina ball for dechlorination is widely used for HCL removal(dehydrochlorinate) in syngas, catalyst & adsorbent protection, and dechlorination from Naphtha, natural gas, H<sub>2</sub>, N<sub>2</sub>, NH<sub>3</sub>, CO, CO<sub>2</sub> & other feed gas.

**Storage** of Activated alumina for removal of chloride:

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Avoid moisture, avoid scrolling, throw and sharp shocking during transportation, rainproof facilities should be readied..

It should be stored in dry and ventilated warehouse to prevent contamination or moisture.

**Package** of Activated alumina for removal of chloride:

Type	Plastic bag	Drum	Drum	Super sack/Jumbo bag
Bead	25kg/55lb	25 kg/ 55 lb	150 kg/ 330 lb	750kg/1650lb 900kg/1980lb 1000kg/ 2200 lb

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