



## Alginate Impression Material

## Chromatic

Alginate impression material, also known as an irreversible hydrocolloid impression, alginate material is a widely used product in dentistry, that helps dentists take accurate impressions of the teeth for a variety of devices and treatments. Alginate Impression Material is available in a variety of flavors and sets.

### Intended Use

Alginate Impression Materials are indicated for making dental impressions for fabrication of casts, orthodontic models, opposing models, craft dental bridges, veneers, and case study models. It is also used for 3D mold casting of hand or foot casting, etc.

### Specifications

·Item	Alginate Impression Material
·Type	Universal Type/High Precision Type/Super High Precision Type
·Appearance:	Fluffy, Muti-Color powder (Green,Yellow,Blue,Pink,Purple,White,Orange).
·Water Temperature:	23°C / 73°F
·Curing Mechanism:	The material sets when mixed with tap or distilled water.
·Mixing Ratio	100g powder/200ml water (1:2) for Dental 100g powder/3 00ml water (1:3) for 3D casting
·Feature	Chromatic or not Dust Free Easy Mixing
·Shelf-Life	3years
·Filler Type	Not applicable
·Storage	Keep container well closed, store in a cool(below 25°C )and dry place.





## Type

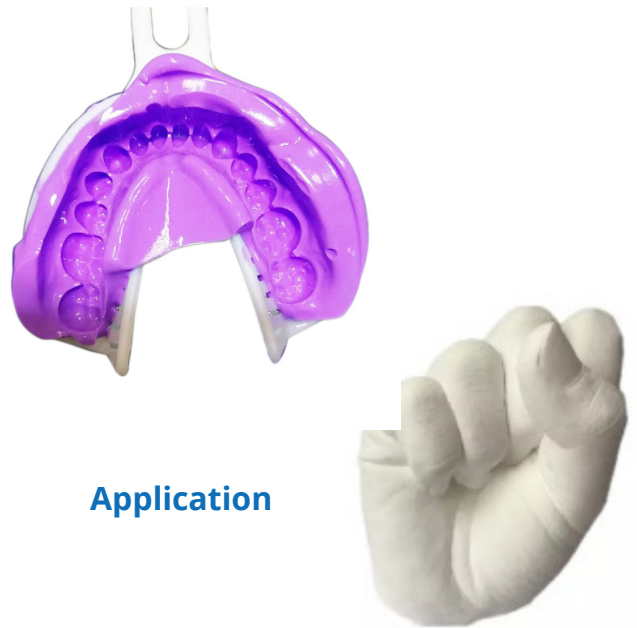


Item No	Item	Description	Packing
E50001	Universal	General porcelain and jaw impression	454g/500g or customized 24bags/ctn(454g/500g) Weight:13/12.5kgs 43*33*22cm
E50002	High Precision	Porcelain tooth impression	
E50003	Super High Precision	High precision local injection impression	

## Main Composition (%w/w)

Chemical name	CASNo.
Diatomite	61790-53-2
Calcium sulfate	7778-18-9
Sodium alginate	9005-38-3
Zinc oxide	1314-13-2
Disodium hexa fluoro titanate	17116-13-1
Talc	14807-96-6
Trisodium orthophosphate	7601-54-9

Note: CASNo.is Chemical Abstract Service Registry Number.



## Application





## Physical /Mechanical Properties: (Typical Values)

Test Item	Universal	High Precision	Super High Precision
Powder water proportion	10g/22ml	10g/23ml	10g/23ml
Mixing time	30"	30"	30"
Total working time	≥1'30"	≥1'30"	≥1'30"
Time in mouth	40"	40"	40"
Detail reproduction before and after disinfection	20μm	20μm	20μm
Reappearance	50μm	48μm	45μm
Elastic recovery	97%	97%	98%
Permanent deformation	16%	15%	12%
Compressive strength	>0.5 Mpa	>0.55 Mpa	>0.6 Mpa
Tear strength	>0.38N/mm	>0.4 N/mm	>0.48 N/mm
Compatibility to gypsum	Passes test	Passes test	Passes test
Reproduction of details	Passes test	Passes test	Passes test

## Color Change Instructions

Pink no change



White to Red



Purple no change



Light Green to Purple



Yellow to Red



Blue to Purple



Green to Purple



Orange no change

## Packing

200g



Standard bag

500g



Foil bag

500g



Kraft paper

25kgs

## Packing Details

Package: 500g/1000g/bag or other your requirements

Packing: 24bags/ctn

Carton size: 43\*33\*22cm

G.W/N.W: 13/12kgs

