

Polyizer 120

Description

Polyizer-120 is one of DOOBON's synthetic hydrotalcite series and can be used for stabilizing PVC. It shows well-performance in Ca-Zn stabilizer which is an environmentally friendly, non-toxic and heavy metal free. Polyizer-120 also has been shown effective performance for compounding in green house master batch application.

Structure $Mg_4Al_2(OH)_{12}CO_3 \cdot 3H_2O$

Appearance Fine, white powder

Specifications

Particle Size d(0.5)	μm	0.2 ~ 0.5
> 10 μm	% (Vol)	0.0
Heavy Metals	ppm	Max 10
Molar Ratio MgO/Al₂O₃	-	3.5 ~ 5.0
Drying Loss(105°C/1hr)	%	Max 0.5
Na Content(Na)	ppm	Max 250
Bulk Density	g/ml	0.3 ~ 0.5
Surface Area(BET)	m ² /g	8 ~ 12

Application

- Whole area of PVC application related with Ca-Zn Heat Stabilizer.
- PE insulation film for green house.

Handling

Packaging Paper Bags, PE inner liner, 20 kg net
Storage Cool, Dry and well ventilated area at room temperature

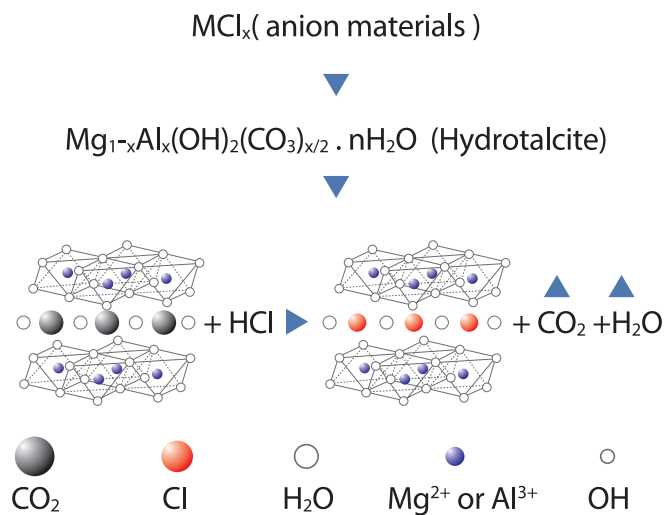
* For additional handling and toxicological information, consult the DOOBON Material Safety Data Sheet.

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Hydrotalcite is...?

↔ Inactivation of Hydrotalcite to anion materials



Residual Catalyst make

1. reducing heat stability
2. a mold corrosion of mold surface
3. high processing pressure and fish-eye

↔ Application Fields of Hydrotalcite

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|------------------------|--|
| Film insulator | Maintain the thermal insulation ability by adding 1-20 part in ratio of resin agriculture film for PE, PP, EVA etc. |
| Fume capture | For assisting flame retardant. When it is added to polymer, prevents and absorb fume of halogen from flame retardants. |
| Heat stabilizer | Heat stabilizer for PVC, PVDC, Heat and ultraviolet resistant. |
| Acid acceptor | Halogen containing rubber, pharmacy, medical treatment and textile. |

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