

# Insecticide Technology



Kills insects by embedding the insecticide within the plastic. It is not sprayed or painted on the surface, so it remains effective against insects for the life of the plastic product



Characteristics	Masterbatches Series 91100
<b>Composition</b>	Insecticides finely dispersed in a polymeric matrix
<b>Masterbatch Colour</b>	Colourless to white pellets (depending on formulation)
<b>Mode of Action</b>	Non-systemic with contact and ingestion. Sodium channel modulator
<b>Applications</b>	Rigid or flexible plastic products or netting, woven and non-woven
<b>Addition Rate</b>	For most applications 2 – 3% by weight
<b>Odour</b>	Odourless / faint sweet smell (depending on formulation)
<b>Stability</b>	Stable in air (non-volatile), to light & elevated temperatures and very low solubility in water (less than 2.06 µg/l)
<b>Storage</b>	Indoor, away from excessive heat and direct UV exposure

## Insect Vectors:

Example of pests controlled: Weevils; Moths; Caterpillars; Mites; Bollworm; Budworm; Green mirid; Cutworms; Aphids; Wireworms, etc.

Many dangerous diseases are spread by insects. Viruses, like Zika virus, Dengue virus & Nile virus which are difficult to kill and Malaria is very problematic to deal with after it has entered the human body.

We therefore need to mitigate and kill the insects which spread the diseases.

## Applications

Irrigation pipes, plastic walls, ceilings, floors, table-tops, work surfaces, mosquito nets - LLIN and agricultural film/Mulch film could all be made with d<sub>2</sub>p<sup>®</sup>(ai) - at little or no extra cost.



### Approved in USA and EU

Registered and approved in the EU BIOCIDAL REGULATION 528, in both PT-08 and PT-18



**Disclaimer:** The information provided is general information. For specific applications, please consult our Technical Department. It is the customer's responsibility to obtain regulatory approval for the intended purpose in the country or countries concerned.



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