

d₂p[®] OA Odour Adsorber Plastic Technology



Mineral-based masterbatches designed to combat odours from plastics and from moisture in the air in enclosed surroundings

Suitable for a wide range of applications including:

- Car and bus interiors
- Refrigerators
- Food containers
- Shoes/trainers
- Wet suits
- Medical appliances/devices
- Garbage bags

Also, Polypropylene (PP) non-woven material enhanced with d₂p OA offers a powerful combination of mechanical performance and odour control, making it ideal for several high-impact applications.

- Hygiene products - diapers, incontinence pads
- Feminine hygiene products
- Medical textiles - wound dressings, surgical drapes
- Air filtration and odour control panels
- Packaging for personal care and household products
- Industrial Adsorbent pads e.g. chemical-spill mitigation



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The special structure of the masterbatch enables it to act as an adsorber of gas and moisture to selectively trap and hold odour molecules thus improving smell, and air quality.

d₂p OA masterbatches can be added to virgin or recycled plastic to make products with little or no change in processing conditions or performance. They are particularly useful in recycled plastics, which tend to have an unpleasant odour.

d₂p OA is suitable for all plastic processing technologies including, extrusion, injection, rotational moulding, coating, lamination, woven, and non-woven.

d₂p OA can be used as a general deodoriser, including odour from mould or mildew.

It can also reduce odours from organic pigments and side-reactions in mixtures like:

- Hydrocarbons
- Aldehydes
- Ammonia
- Trimethylamine
- Methylmercaptan
- Sulphur
- Hydrogen-sulphide
- Chlorine (above detectable levels)



Aeroplane and bus and train interiors



Cat litter trays



Dashboards, armrests and cup holders



Food storage containers



Document storage boxes



Hygiene products and medical textiles

Even better - Combination with Antimicrobial technology

The d₂p[®] Odour Adsorber can be combined with d₂p[®] Antimicrobial technology to provide dual functionality. This combination is particularly effective in applications such as hygiene and medical products, shoe insoles, workwear, and sportswear, where both odour control and microbial protection are needed.

Regulatory Status

The d₂p masterbatch is approved for food contact products in the European Union (Annex I, Table 1 of Regulation 10/2011).



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