

## Polybatch Electret Masterbatch for respiratory protective devices



Protective Personal Equipment (PPE) is becoming an important part of our daily lives. The LyondellBasell *Polybatch* Electret Masterbatches for respiratory protective devices are designed to improve the comprehensive filtration properties of the melt-blown non-woven fabric.

### Advantages of *Polybatch* Electret Masterbatch for melt-blown non-woven fabrics:

- Increases the retention of the applied electrical charge in the non-woven fabric.
- Increased filtration efficiency through the electrostatically charged fibers capturing particulates by electrostatic attraction.
- Improved hydrophobic properties enhances filtration quality and electrostatic charge retention through less absorption of liquids in the non-woven layer.
- Improves the filtration efficiency without sacrificing the pressure drop.

	PP Based	MFI > 600 g/10' (230° C/2,16 kg)	Melt blown technology	Properties
<i>Polybatch</i> Electret A	✓	✓	✓	Good Charging properties Good Barrier properties
<i>Polybatch</i> Electret B		✓	✓	Good Charging properties
50/50 mixture <i>Polybatch</i> Electret A + <i>Polybatch</i> Electret B	✓	✓	✓	High aerosol barrier properties Good balance charging Hydrophobic and Barrier properties

# ABOUT US

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For more information about Polybatch Electret Masterbatch and our comprehensive product range of PP & PB-1 grades, White & Black masterbatches, functional additives and color masterbatches for non-woven applications, please contact our experts:

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