

# Atmer 110 – External Anti-stat for PET

Croda Polymer Additives is one of the world leaders in providing in-demand effects for a wide variety of polymers. Our speciality products play a vital role in modern plastics – from optimising polymer processing and handling during manufacture, to improving part performance and aesthetics for end consumer markets.

Atmer 110 is an ethoxylated sorbitan ester in liquid form. It is an external anti-static agent effective in PET and all polyolefins. It is applied to the surface of the product giving an immediate effect. The molecules interact with atmospheric moisture, reducing surface resistivity and hence dissipating high electric charge densities giving an anti-static effect to the material.

## Key benefits of Atmer 110

- Gives immediate, long lasting anti-static effect
- Can be directly applied to surfaces from a solution
- Application by spraying, wet coating or dipping
- Can be re-applied if required



## Guidelines for use

Atmer 110 is an external additive and should be dissolved in an appropriate solvent, such as water or iso-propyl alcohol, typically in a concentration of 2 – 5 %. It is applied by spraying, wet coating or dipping, depending on the product and manufacturing process. Quantities used depend upon surface area, typical requirements range from 50 – 100 mg/m<sup>2</sup> of active Atmer 110.

## Long lasting performance in PET

Atmer 110 is an excellent, external anti-static additive for PET showing long lasting effects.

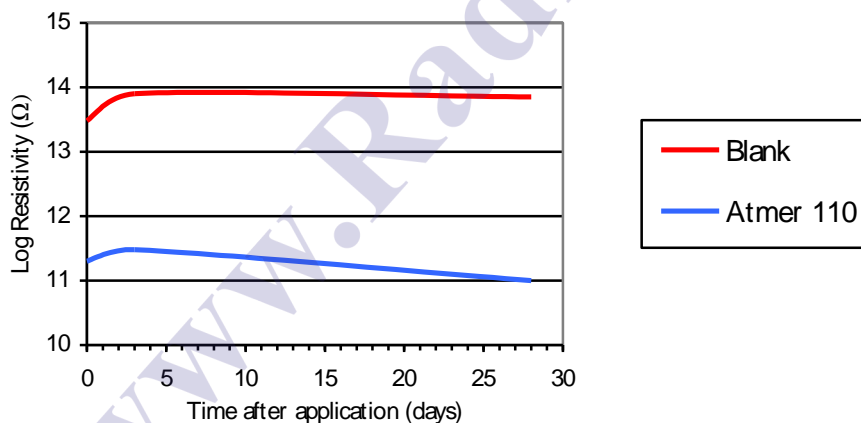


Figure 1: Anti-static effect of Atmer 110 in 500µm PET film (75mg/m<sup>2</sup> additive)

## Further Information

For further information please see the Atmer 110 technical datasheet.

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