



Einar®



Einar® anti-stat solutions for polyethylene (PE)

- Einar® 601 has excellent anti-stat performance in all LDPE, LLDPE and HDPE applications
- Einar® 601 is completely free of any amine and amide chemistry
- Einar® 601 is approved for food contact applications

Application background

PE film is commonly used in a very broad range of packaging applications and the need for efficient anti-stats is crucial in the packaging of powdered products. It is required that bags can be properly heat sealed and there should be no contamination from packaged products in the heat seal area. An efficient anti-stat protection that will work well, also under low humidity conditions, ensures smooth operation with packaging of powdered products on high speed packaging lines.

In packaging of electronic components, it is a particular requirement that the anti-stat works well under very low humidity conditions. It must also be guaranteed that the anti-stat chemistry has no detrimental effects on packaged products such as stress cracking of polycarbonate when the packaging material is in direct contact with polycarbonate components.

Einar® anti-stat solutions for polyethylene (PE) films

Einar® 601 for PE anti-stat applications

Einar® 601 offers excellent performance in a very broad range of PE applications. In most LDPE and LLDPE film it will provide a good and sufficient performance at low loading levels. In LDPE and LLDPE film the recommended loading level is 0.1 - 0.4%. In HDPE, a highly crystalline material where anti-stat migration is low, anti-stat concentrations need to be higher and the recommended loading level is 0.3 - 0.6%.

In coextruded or laminated packaging films, the anti-stat is often added to a very thin section of the entire film and therefore, the anti-stat must be a very reliable and efficient performer. Einar® 601 will deliver the performance you need and has proven to deliver excellent performance when used in the thinner film sections of a sealing layer such as metallocene LLDPE.

Your direct benefits:

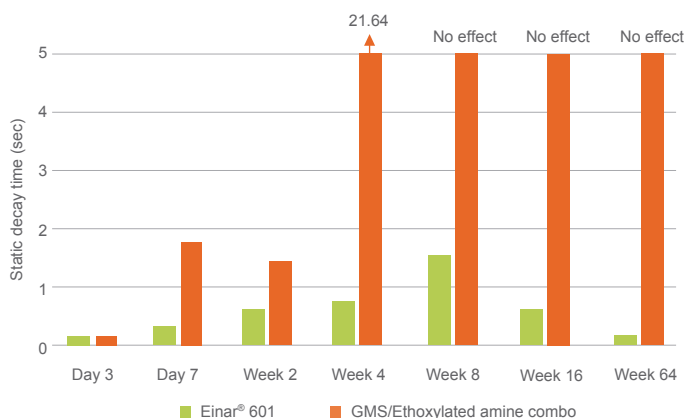
- The ideal anti-stat solution for coextruded and laminated film
- No amine and amide chemistry
- Very good performance at low humidity – good anti-stat for electronic packaging applications
- No stress cracking of electronic components
- Approved for food contact
- Consultancy and technical evaluations available from our technical team

Other offerings from the Einar® range:

- Einar® 601 for anti-static protection of polyolefin foams
- Einar® 618 and Einar® 422 for anti-fogging polypropylene (PP) applications
- Einar® 614, Einar® 611 and Einar® 211 for anti-fogging polyethylene (PE) applications

Anti-stat performance in LDPE blown film

Additive concentration is 0.10%, measured at 50% RH.



Einar® 601 is an unmatched performer in PE film with both immediate and long term performance

Contact us and let us help you develop and test the optimum anti-stat solution for your PE films

Find out more at polymers.palsgaard.com