



Einar®



Einar® anti-stat solutions for impact copolymer polypropylene (PP)

- Einar® 411 is a superior food-grade anti-stat for impact copolymer PP
- Einar® 411 offers excellent performance at low humidity and across a wide range of applications

Application background

Impact copolymer PP is used in many different food and non-food packaging applications where an attractive appearance toward consumers are important. An appealing and dust-free packaging is secured by the use of efficient migratory anti-stats that are able to build a concentration on the packaging surface that form a conductive layer. This will enable dissipation of static charges whereby dust and other fine particles will not be attracted or settle on the packaging.

Impact copolymer PP is the preferred packaging material for a very wide range of both food and non-food products because it offers excellent protection. The polymer has high impact strength at low temperatures and has good barrier properties for protection of packaged goods. The inherent nature of the polymer also provides challenges for migratory anti-stats. They need to be optimized for the polymer in order to guarantee an attractive and clean appearance.

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Einar® 411 anti-stat protection in impact copolymer PP

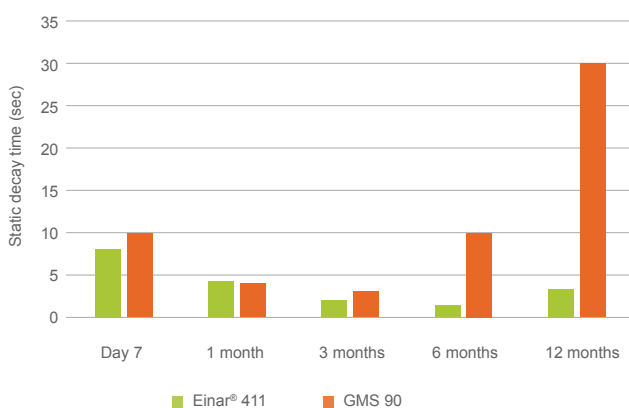
Einar® 411 offers unmatched anti-stat performance in impact copolymer PP injection moulding applications. It is an ideal candidate to ensure clean, dust-free and attractive packaging across a broad range of applications, such as thin walled containers used for yoghurt, margarine, small and large buckets for both food and non-food storage. The anti-stat effect is short and long term and will easily exceed one year, also at low humidity conditions. Recommended loading levels for impact copolymers are 0.3 - 0.5% for most applications but higher concentrations may be required in demanding thin walled packaging.

Einar® 411 will provide necessary mould release and de-nesting properties when incorporated in an impact copolymer at the recommended levels for good anti-stat performance.

Einar® 411 is available in pellet form, ideally suited for mixing with either powder or pelletised PP. The pellet form ensures easier dosing and reduced stickiness in feeding and transport equipment.

Anti-stat performance in impact copolymer PP

Additive concentration is 0.60%



Einar® 411 has excellent long term anti-stat performance in impact copolymer PP

Find out more at polymers.palsgaard.com

Your direct benefits:

- Unmatched anti-stat performance in impact copolymer PP
- Excellent de-nesting and slip effect for stacked containers
- Efficient performer at low humidity
- High heat resistance and low volatility
- Approval for food contact applications
- Consultancy and technical evaluations available from our technical team

Other offerings from the Einar® range:

- Einar® 201 for mould release properties in PP
- Einar® 201 for anti-stat performance in PP injection moulding applications
- Einar® 601 for anti-stat performance in PE applications

Contact us and let us help you develop and test the optimum anti-stat solution for your impact copolymer PP.