



Einar®



Einar® antistat solutions for impact copolymer polypropylene (PP)

- Einar® 411 is a superior food-grade antistat 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 antistats 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 antistats. They need to be optimized for the polymer in order to guarantee an attractive and clean appearance.

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Einar® 411 antistat protection in impact copolymer PP

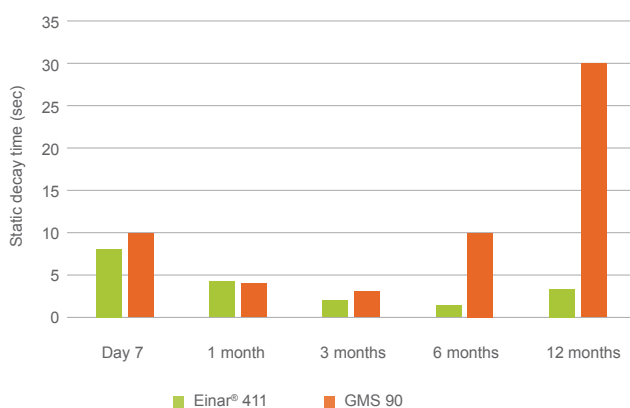
Einar® 411 offers unmatched antistat performance in impact copolymer PP injection moulding applications. It is an ideal candidate to ensure clean, dust-free and attractive packaging across a broad range of applications, such as thin walled containers used for yoghurt, margarine, small and large buckets for both food and non-food storage. The antistat 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 antistat performance.

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

Antistat performance in impact copolymer PP

Additive concentration is 0.60%



Einar® 411 has excellent long term antistat performance in impact copolymer PP

Your direct benefits:

- Unmatched antistat 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
- Worldwide 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 antistat performance in PP injection moulding applications
- Einar® 601 for antistat performance in PE applications

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

Find out more at polymers.palsgaard.com

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