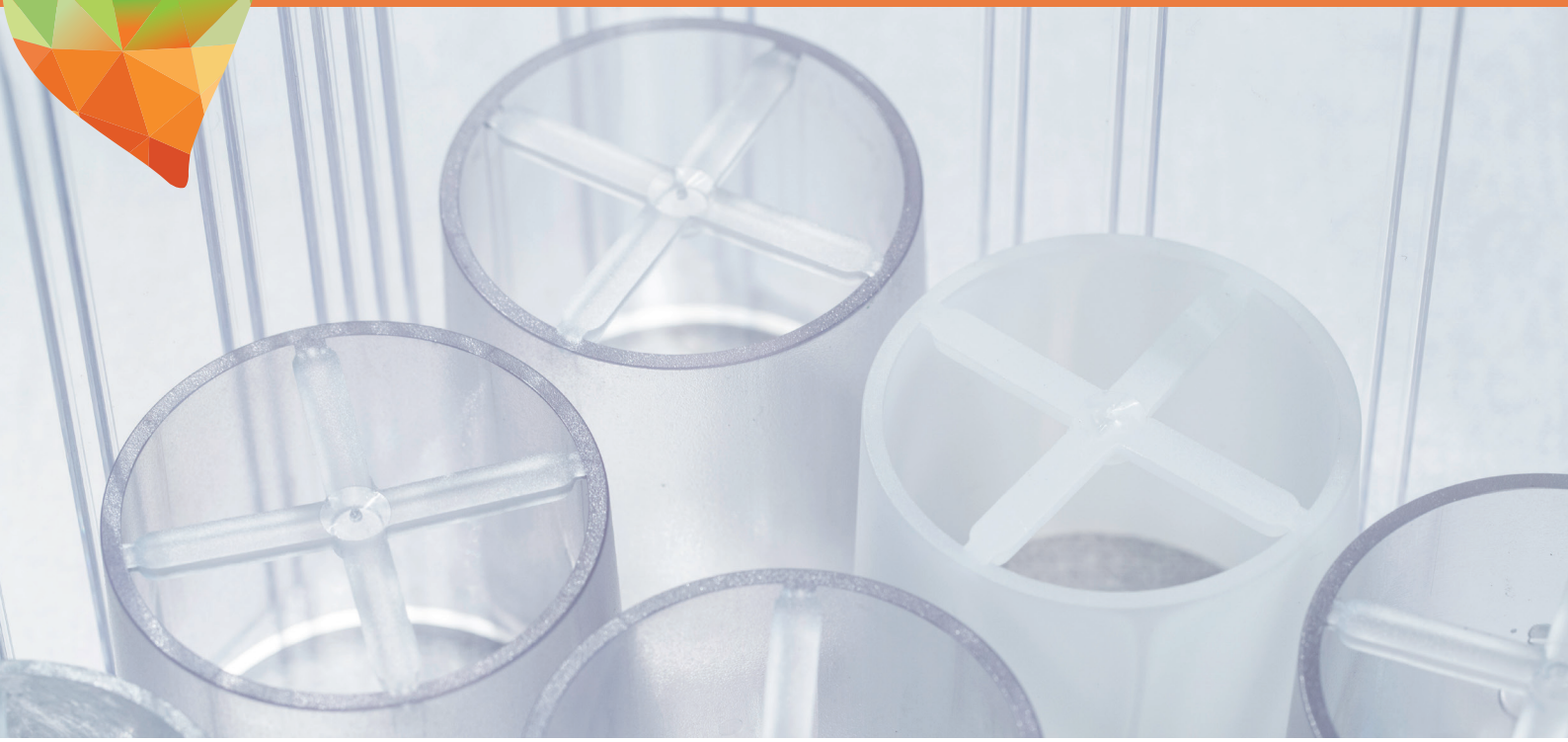
Palsgaard®
Heart working people



Einar®

Einar® mould release solutions for polypropylene (PP)

- Einar® 201 is a food-approved general purpose mould release for most PP injection moulding applications
- Einar® 201 offers excellent performance across all PP polymer grades

Application background

An efficient mould release agent will guarantee smooth release of parts in an injection moulding process and secure consistent operation and a reduction of cycle times. A mould release agent will lubricate the interface between polymer and mould during each injection moulding cycle and it is therefore of vital importance that the additive can be dosed at an optimum concentration where there is enough of a lubricant effect for efficient release but not too much to leave deposits or residue that may result in defective parts or clocking of the moulds venting system.

Polypropylene is a semi-crystalline polymer and will exhibit some shrinkage when the resin solidifies and the effect of shrinkage will often require mould release additives for lubrication and efficient release of moulded parts. Shrinkage may also cause nesting problems of stacked parts and a secondary effect of an efficient mould release additive is to have good de-nesting properties that allows stacked parts to be easily separated.

Einar® mould release solutions for polypropylene (PP)

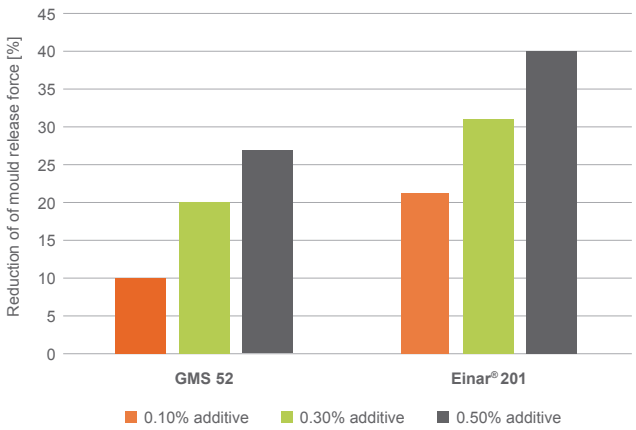
Einar® 201 for mould release applications

Einar® 201 is a very reliable general purpose mould release for PP injection moulding applications. The product can be dosed at an optimum concentration in both homopolymers, random and impact copolymers and will secure efficient release of moulded parts. Einar® 201 has an ideal migration profile in PP that guarantees sufficient lubrication and will promote lower cycle times and continuous operation.

Einar® 201 is also an efficient de-nesting additive and allows easy separation of stacked parts. Recommended loading levels for homopolymers are 0.2-0.4%, for random copolymers 0.1 - 0.2% and for impact copolymers 0.3 - 0.5%.

Einar® 201 is available in both powder and pellet form providing options for better mixing with either powder or pelletized PP. The pellet form being preferred in many situations where a powder at elevated temperatures during mixing and feeding will be difficult to handle and transport in feeding and dosing equipment.

Mould release properties in homopolymer PP



Einar® 201 shows excellent performance in comparison to conventional GMS. Results are recorded in 20 MFI homopolymer PP.

Your direct benefits:

- Excellent mould release performance across all PP grades
- Very good de-nesting and slip effect for stacked containers
- Efficient performer at low loading levels
- High heat resistance and low volatility
- Approved for food contact
- Consultancy and technical evaluations available from our technical team

Other offerings from the Einar® range:

- Einar® 411 for anti-stat protection in impact copolymer 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 mould release solution for your PP injection moulding application.

Find out more at polymers.palsgaard.com

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