

# FIRST CHOICE MOULD RELEASE IN PP



## Your daily challenge

Mould release efficiency

Need for global food contact approval

Faster cycle times and continued operation

## Best mould release for PP with DIMODAN® HP

Mould release reaches a new level of performance with DIMODAN® HP for a wide range of PP injection moulding applications.

A high purity additive, our DIMODAN® HP distilled monoglyceride provides outstanding efficiency at an up to 50% lower use level compared to lower purity additives, such as GMS 40 and GMS 60.

DIMODAN® HP is available in standard bead form or as easy-to-handle pellets. The latter ensures easier dosing and reduced stickiness in feeding and transport equipment – an important attribute in many elevated temperature working environments.

The efficiency, food packaging safety and easy handling of DIMODAN® HP makes it an obvious choice for a majority of all PP mould release applications.

## Your gains and benefits

Your business gains	Your product benefits	Our proven solution
Worldwide approval for food contact applications Superior efficiency compared to lower purity GMS Cost savings	Excellent mould release Low volatility High heat and processing stability	DIMODAN® HS

## Performance

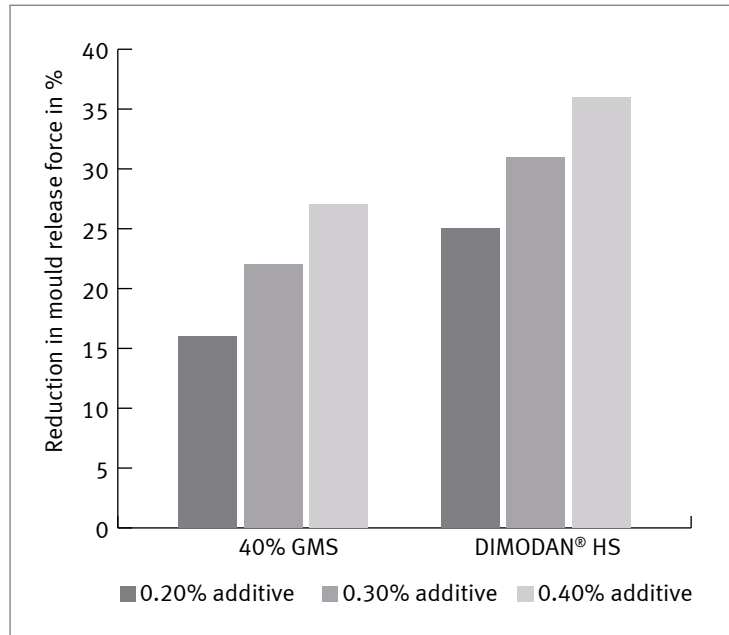


Figure 1. Comparison of DIMODAN® HS and GMS 40 in a 30 MFI random copolymer PP.

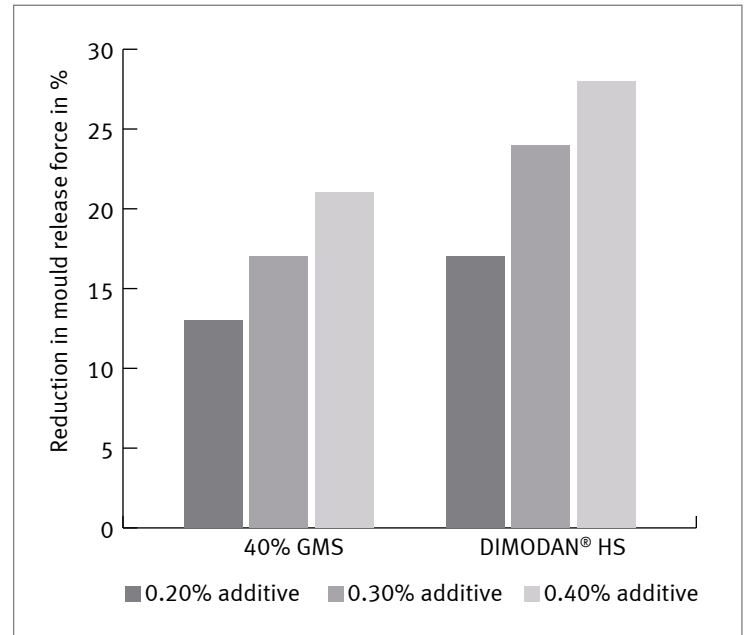


Figure 2. Comparison of DIMODAN® HS and GMS 40 in a 12 MFI homopolymer PP.

Mould release is measured as a percentage reduction in release force compared to virgin resin with no release agent. In comparative trials, DIMODAN® HS showed superior mould release performance to

conventional GMS 40. Loading levels of DIMODAN® HS may be up to half that of GMS 40 in random copolymer and 30-40% less in homopolymers.

## Other DuPont ingredients for PP injection moulding

DIMODAN® HPL 70 – antistat for impact copolymer PP

DIMODAN® PS 426 – non-blooming antistat for high-clarity applications

### ASK US FOR

Free sample - Formulation - Technical assistance

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