

Technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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MOLD WIZ

INT-42FPE

Pellet (100% Active)

General: A process aid -which is incorporated directly into the resin. Improves resin flow/fill, improves dispersion of other resin additives (reinforcements, fillers, and pigments), shortens cycle times, reduces temperatures and pressures of molding machines, and reduces or eliminates weld/knit lines. An effective addition of process aid additive will not have any adverse effect on physical properties or secondary operations such as decorating, printing, bonding, or plating.

Use: Especially recommended for improving flow in HDPE and Polyolefins.

Each component in this formulation has been certified by our raw material suppliers as having direct USFDA approval for food contact.

Composition: Proprietary synergistic blend of modified polymers and organic fatty amides.

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
SOLIDS:	100%
COLOR:	Off White
DROPPING POINT:	176°F / 80°C
SHELF LIFE:	Minimum of one year
AVAILABILITY:	Powder or Pellet form

Application Instructions:

General: For best results, laboratory tests or pre-production trials should determine the optimum addition level. MoldWiz® process aid additives are effective within a range of 10 parts per 1000 resin excluding reinforcements, pigments and fillers. A high amount of filler may require a higher percentage of process aid additive than the indicated maximum. Start an evaluation from 5 to 30 parts per 1000 (0.5%). Reduce the level of additive or reduce the process temperature to raise the resin viscosity and to eliminate screw slippage.

Mixing: Dry blend the process aid additive by tumbling or use an additive dispenser to meter directly into the resin stream. Process aid additives may be compounded into the resin to make a master-batch.

All information given by us about our products is based upon our tests and experience. It is intended for use by persons having technical skill at their own discretion and risk, and we assume no liability in connection with their use.

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