

technical data

AXEL

PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

Mailing Address: Box 77 0855, Woodside, NY 11377
Shipping Address: 58-20 Broadway, Woodside, NY 11377
Tel: 718-672-8300 • Fax: 718-565-7447
E-mail: info@axelplastics.com

MOLD WIZ INT-338

General: A process aid additive 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, improves surface properties, decreases die build-up. 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: Processing all polyolefins. Also for other resins such as acrylics and rubbers where improved lubricity of the molded part, or reduced coefficient of friction is required.

Composition: Proprietary complex mixture comprising fluorinated and non-fluorinated groups.

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

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
SOLIDS:	100%
COLOR:	White
SPECIFIC GRAVITY:	0.78 @ 25°C
SHELF LIFE:	Minimum of one year
AVAILABILITY:	Powder

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 1 to 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. Always start an evaluation at 5 parts per 1000 (0.5%). The process aid additive may increase the MFI. 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 additive may be compounded into the resin to make a masterbatch.

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.

(080304)