

technical data

AXEL

PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

50 Cambridge Drive, Monroe, CT 06468

Tel: 718-672-8300 • Fax: 718-565-7447

E-mail: info@axelplastics.com

MOLD WIZ INT-1818PWD

Powder (100% Active)

General: A process aid additive with anti-static properties, which is incorporated directly into the resin. Eliminates the need for an external mold release agent. Improves resin flow, 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: Molding Compounds (BMC/SMC) based on epoxy, phenolic, polyester/vinyl ester resins

Composition: Proprietary synergistic blend of organic fatty acids and esters combined with wetting agents.

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
SOLIDS:	100%
COLOR:	White/Off-white
BULK DENSITY:	5.9lb/gal
ODOR:	Mild Fatty
DROPPING POINT:	194°F / 90°C
SHELF LIFE:	Minimum of one year

Application Instructions:

General: For best results, laboratory tests or pre-production trials should determine the optimum addition level. MOLD WIZ process aid additives are effective in thermosets typically within a range of 10 to 15 parts per 1000 resin excluding reinforcements, pigments and fillers. Higher amounts of filler may require a higher percentage of process aid additive than the indicated maximum. Always start an evaluation at 10 parts per 1000 (1.0%) and raise or lower addition levels to optimize processing conditions.

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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