

technical data



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-626A

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: Polyester Pultrusion, Various Epoxy molding. Unsaturated Polyester and Vinyl Ester Resin-based Bulk Molding Compounds (BMC) and Sheet Molding Compounds (SMC) catalyzed by organic peroxides. Effective at approx. 50% of loading level typically used for Stearates.

Composition: Proprietary synergistic blend of organic fatty acids, esters and amine.

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
COLOR:	Amber
SPECIFIC GRAVITY:	0.926 @25°C
pH:	N/A
VISCOSITY	100-300 cps @25°C
FLASH POINT	>300°F / >150°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 within a range of 1 to 20 parts per 1000 resin excluding reinforcements, pigments and fillers. A high amount of filler may require an increased percentage of process aid additive than the indicated maximum. Always start an evaluation at 10 parts per 1000 (1.0%).

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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