

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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MOLD WIZ INT-628

General: A process aid 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). An effective addition of process aid additive will not have any adverse effect on physical properties or secondary operations such as bonding or painting

Use: Unsaturated Polyester and Vinyl Ester Resin-based Bulk Molding Compounds (BMC) and Sheet Molding Compounds (SMC) catalyzed by organic peroxides

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

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
COLOR:	Amber
SPECIFIC GRAVITY:	0.92 @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 10 to 60 parts per 1000 parts resin excluding reinforcements, pigments and fillers. A high amount of filler may require an increased percentage of process aid additive than the indicated maximum. AXEL recommends an initial loading level be evaluated between 1/3 to 1/2 of the amount of stearates currently used in the SMC or BMC formulation. This is usually in the range of 1.5 to 2.5% pph.

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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