

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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MOLD WIZ INT-EA75

General: A process aid additive and mold release with anti-static properties which is incorporated directly into the resin eliminating the need for an external mold release agent. Improves resin flow and line speeds. An effective addition of process aid additive will not have any adverse effect on the cured resin. The complex polymeric nature of the process aid additive will not interfere with secondary operations such as decorating, silk screen printing, painting, bonding or plating.

Use: Ethylene Ethyl Acrylate (EEA)
Liquid Crystal Polymer

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

TYPICAL PROPERTIES:

SOLIDS:	100%
EFFECTIVE INGREDIENTS:	100%
COLOR:	Light Amber
SPECIFIC GRAVITY:	1.04 @25°C
VISCOSITY:	500 – 800 cps @25°C
pH:	2.5
FLASH POINT:	300°F / 149°C (C.O.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 10 parts per 1000 resin or rubber by weight, 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%). In thermosets, too much additive may retard the cure. Reduce the level of additive or slightly increase the catalyst. In thermoplastics, the 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 For two-part thermoset resins, mix the process aid additive in the less viscous or less reactive side before catalyzing. For thermoplastics, dry blend the 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 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.

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