

## technical data



PLASTICS RESEARCH LABORATORIES, INC.  
MOLD RELEASES & INTERNAL LUBRICANTS

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# MOLD WIZ INT-1888LE

**General:** A process aid additive and mold release 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: painting, bonding, or powder coating.

**Use:** Various functionality Epoxy systems (Bisphenol A, F etc.) with various curing agents: acid/anhydride, imidazole, amine.

### Composition

Proprietary synergistic blend of derivatives of organic fatty complex esters with surface active agents.

### TYPICAL PROPERTIES:

|                               |                                       |
|-------------------------------|---------------------------------------|
| <b>EFFECTIVE INGREDIENTS:</b> | <b>100%</b>                           |
| <b>SOLIDS:</b>                | <b>100%</b>                           |
| <b>COLOR:</b>                 | <b>Amber</b>                          |
| <b>SPECIFIC GRAVITY:</b>      | <b>0.950 @ 25°C</b>                   |
| <b>VISCOSITY:</b>             | <b>&lt;500 cps @ 25°C</b>             |
| <b>FLASH POINT:</b>           | <b>&gt;300°F / &gt;149°C (C.O.C.)</b> |
| <b>SHELF LIFE:</b>            | <b>Minimum of one year</b>            |

### 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 1-3 parts per hundred (pph), based on resin weight, excluding reinforcements, pigments and fillers. High amounts of filler and/or different processing conditions may require a higher percentage of process aid additive. Start an evaluation at 1.5 pph. Difficult profiles/part geometries may require a higher loading level. For additional information, refer to Process Aid Additives / Thermoset Resins – Testing Procedures.

**Mixing:** For two-part thermoset resins, mix the process aid additive in the less viscous or less reactive side before catalyzing.

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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