

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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Mold Wiz

INT-DCM28

General: A process aid additive with anti-static properties which is incorporated directly into the resin eliminating the need for an external mold release agent. 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, printing, bonding, or plating.

Use: Allyl Diglycol Carbonate Monomer

Composition: Proprietary synergistic blend of organic fatty esters and phosphate esters combined with surfactants and emulsifier.

TYPICAL PROPERTIES:

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|-------------------------------|----------------------------|
| EFFECTIVE INGREDIENTS: | 100% |
| SOLIDS: | 100% |
| COLOR: | < 1 Gardner |
| SPECIFIC GRAVITY: | 0.922 @ 25°C |
| VISCOSITY: | 15 - 35 cps @ 25°C |
| pH: | 4.0 – 6.0 |
| REFRACTIVE INDEX: | 1.442 |
| FLASH POINT: | 280°F / 138°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. MoldWiz® process aid additives are effective within a range of 1 to 5 parts per 1000 resin by weight. An evaluation at 2.5 parts per 1000 (0.25%) is suggested. Too much process aid additive may retard the cure. Reduce the level of additive or slightly increase the catalyst.

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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