

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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MOLD WIZ

INT-PS-350

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: Polyester Vinyl Ester Modar™
Especially for Pultrusion, Hot Press Molding, Resin Transfer Molding, TBPB and BPO cured resins.

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

TYPICAL PROPERTIES:

SOLIDS:	100%
EFFECTIVE INGREDIENTS:	100%
COLOR:	6 max.
SPECIFIC GRAVITY:	0.990 @ 25°C
VISCOSITY:	160 - 280 cps @25°C
pH:	2.0
REFRACTIVE INDEX:	1.455
FLASH POINT:	225°F / 107°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. MoldWiz process aid additives are effective within a range of 1 to 10 parts per 1000 resin by weight, excluding reinforcements, pigments and fillers. High amounts 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%). Too much additive may retard the cure. Reduce the level of additive or slightly increase the catalyst.

Mixing: Mix into resin prior to addition of catalyst, fillers, and other resin additives.

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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