

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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Mold Wiz INT-1582

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. Benefits include excellent release from glass molds, elimination of haze and optical clarity of polyurethane parts. Secondary operations on PU composites using this product, such as painting, bonding, or plating, are not impaired. An effective addition of this product will not have any adverse effect on physical properties of the cured resin.

Use: Polyurethane Systems; specifically for aliphatic and cycloaliphatic isocyanate-based formulations used in optical applications.

Composition: Proprietary complex mixture of organic phosphate esters and non-ionic surfactants.

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
SOLIDS:	100%
COLOR:	Water clear – very pale yellow
SPECIFIC GRAVITY:	1.07 @ 25°C
VISCOSITY:	250 cps @ 25°C
pH:	2.0
REFRACTIVE INDEX:	1.4695
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 often effective within a range of 5 to 10 parts per 1000 resin by weight. An evaluation starting at 5 parts per 1000 (0.5%) is suggested.

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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