

technical data

AXEL

PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

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MOLD WIZ INT-48EPR

General: A process aid additive with anti-static properties which is incorporated directly into the resin or rubber eliminating the need for an external mold release agent. Additional advantages include better resin/rubber flow, improved dispersion of other additives, faster cycle times, reduced temperatures and pressures of molding machines, and elimination of weld/knit lines. The complex polymeric nature of the process aid additive will not interfere with secondary operations such as printing, bonding, or hot foil stamping.

Use: Talc filled PP/EPDM
Copolymer

Composition: Proprietary synergistic blend of organic fatty acids, esters and glycerides.

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
SOLIDS:	100%
COLOR:	Off white
BULK DENSITY:	5.50 lb/gal
DROPPING POINT:	239°F / 115°C
FLASH POINT:	Non Flammable
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 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%). The process aid 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: Dry blend the process aid 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 master-batch.

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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