



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & PROCESS ADDITIVES

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MoldWiz® INT-38HT

Internal Mold Release
Process Aid Additive

Product Description

A process aid, which is incorporated directly into the resin. Provides release and improves resin flow/fill, Scratch & Mar properties, and improves dispersion of other resin additives (reinforcements, fillers, and pigments). Also, shortens cycle times by reducing barrel temperatures and reduces or eliminates weld/knit lines. An effective addition of process aid additive will not have any adverse effect on physical properties or secondary operations such as decorating, printing, or bonding

Composition

Proprietary synergistic blend of modified polymers, fatty acids and fatty esters.

Handling

Keep container closed when not in use. Store in dry location below 100°F / 38°C.

Uses

Especially recommended for high-temperature engineering plastics, such as: PA, and thermoplastic elastomers (TPU) and their blends/alloys.

Typical Properties

Color	White
Dropping Point	194.5°F / 90.3°C
Shelf Life	1 yr. minimum in original closed container

Instructions for Use

For best results, laboratory tests or preproduction trials should determine the optimum addition level. Mold Wiz® process aid additives are effective within a range of 1 - 10 parts per 1000 resin, excluding reinforcements, pigments, and fillers. Start an evaluation from 5 parts per 1000 (0.5%).

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. Avoid adding the INT38HT prior to drying the resin. INT-38HT should be added after drying.

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