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Technical Data Sheet

MoldWiz® ROTO-1

Release Agent/Process Aid Additive for Rotational Molding

Product Description: Internal release agent/process aid with anti-static properties. This unique technology has been specifically engineered to be incorporated directly into the resin for rotationally molded applications. It can eliminate or reduce the need for an external/manually applied mold release agents. Improves resin flow/fill and dispersion of other resin additives (fillers, and pigments). ROTO-1 reduces or eliminates weld/knit lines, while providing exceptional ease of release.

An effective addition of process aid additive will not have any adverse effect on physical properties or secondary operations such as decorating, printing, bonding, labeling, in mold graphics, or plating.

Engineered specifically for ROTATIONAL MOLDING.

Use: Designed for processing all rotationally molded Polyethylene resins including LDPE, LLDPE, MDPE, HDPE as well as Polypropylene. Also used for resins where improved lubricity of the molded part, or reduced coefficient of friction is required. Each component in this formulation has been certified by our raw material suppliers as having direct US FDA approval for food contact.

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

Handling: Please be sure to read the SDS and follow all precautions including appropriate PPE necessary to handle this product safely. Keep tightly sealed while not in use.

FEATURES:

Easy to use-add to resin and forget	Eliminates or reduces the need for external release
Optimizes resin flow/fill and anti-static properties	Significantly improves demolding ease of difficult to release parts
Improves cosmetic quality of critical parts	No negative impact on physical properties or post bonding/painting
Reduces downtime on molds	Improves productivity

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
SOLIDS:	100%
COLOR:	Off White
DROPPING POINT:	170-210° F / 76-99°C
SHELF LIFE:	Two years
AVAILABILITY:	Powder or Pellet form

Instructions for Use:

For best results, laboratory tests or pre-production trials should determine the optimum addition level.

General Use: MoldWiz process aid additives are effective within a range of 5 (0.05%) to 30 (0.3%) parts per 10,000 resin.

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. Specifically formulated for rotational molding, the additive can also be pulverized with the polymer. ROTO-1 can be dry blended or compounded. Review SDS before use.