

technical data



PLASTICS RESEARCH LABORATORIES, INC.
MOLD RELEASES & INTERNAL LUBRICANTS

50 Cambridge Drive, Monroe, CT 06468

Tel: 718-672-8300 • Fax: 718-565-7447

E-mail: info@axelplastics.com

MOLD WIZ INT-1857DC

General: A process aid additive designed specifically for pultrusion. The benefit is to optimize line speed while reducing both pull force and die wear. Improves wet out of fiber, fillers and resin flow while reducing viscosity. Physical properties of the profile are retained or improved. The complex polymeric nature of the process aid additive will not interfere with secondary operations, such as: painting, bonding, or powder coating.

Use: Polyester Vinyl Ester Epoxy Pultrusion

Composition: Proprietary synergistic blend of organic fatty acids, esters and amine neutralizing agents.

TYPICAL PROPERTIES:

EFFECTIVE INGREDIENTS:	100%
GARDNER COLOR:	TBD
SPECIFIC GRAVITY:	0.97 @ 25°C
VISCOSITY:	< 500 cps @25°C
pH:	ca. 5
FLASH POINT:	> 300°F / >149°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 0.75 to 2.0 parts per 100 resin by weight, excluding reinforcements, pigments and fillers. We recommend an evaluation at 1 part per 100. For difficult or challenging profiles (shapes), we recommend a starting evaluation of 1.5phr. High amounts of filler may also require a higher percentage of process aid additive.

Mixing: When possible, mix all additives and fillers in to the resin prior to adding the INT-1857DC.

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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