

BENEFITS BEYOND RELEASE

Reducing the Friction Coefficient With MoldWiz[®] INT-33PA, From Axel USA

Woodside, New York – While internal lubricants are often utilized as viscosity modifiers and substitutes for external release agents (and these remain a primary advantage), Axel Plastic Research Laboratories, Inc., claims that internal lubricants like their MoldWiz[®] INT-33PA can offer injection molders benefits beyond release: a reduction in the coefficient of friction.

According to Nancy Teufel, Technical Support/Sales Manager “Reducing friction is an important factor not only in release, but can provide other benefits too, making molded parts easier to assemble and contributing to improved cosmetics and better mechanical performance of molded assemblies.”

Axel says that their internal lubricant, MoldWiz INT-33PA will reduce resin viscosity, permitting tools to fill more smoothly and quickly. This they contend, enables parts to be molded cleaner, with reduced surface micro-porosity – a source of friction and a detriment to release. At normal additive levels (generally 0.25 – 0.3% of resin weight) MoldWiz INT-33PA is said to provide a lubricious interface that is consumed within the molding process leaving no residue or subsequent extrudate.

Occasionally, the company reports, it is desirable to use the internal lubricant at just beyond this basic level to impart additional surface lubricity. This, they say, can be particularly useful in snap together assemblies of close tolerance parts. Another frequent demand, according to Axel’s technical support staff, is to make lids or caps easier to remove or components easier to slide. In its ability to reduce the coefficient of friction, Axel claims that MoldWiz INT-33PA can assist in these requirements as well.

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MoldWiz® INT-33PA Process Aid Additive Molds ... cont'd

The 60-year-old, ISO 9001 registered company also offers over 600 process or resin specific process aid additives and external release agents under the trade names XTEND™ and MoldWiz®. All of Axel's products are formulated from raw materials that comply with the chemical substance inventory lists of TOSCA, DSL, METI, EINECS, Australia and Korea. Customers are served both through direct sales and by a network of 32 stocking distributors serving 40 countries around the globe. Axel encourages request for evaluation samples by visiting the company's web site at <http://www.axelplastics.com>.

For further information, technical data sheets or for the name of a representative in your area, please contact Nancy Teufel at Axel, Box 77 0855, Woodside, New York 11377 (USA), toll free 800-332-Axel (2935) or 718-672-8300, email: info@axelplast.com.

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Caption: New MoldWiz INT 33PA for better lids and parts

Lids that fit and seal properly are critical to preserving food and other perishables. Improved cosmetics and longer lasting, durable mechanical products are important benefits of using MoldWiz INT 33PA available from Axel USA.

Electronic file available upon request, email daiann@canonshea.com or call 212.564.8822

