

The AXEL logo is positioned in the top left corner. It features the word "AXEL" in a white, serif, all-caps font. The letters are set against a dark, rectangular background that is part of a larger dark area in the top left of the page. The rest of the page is a light gray background filled with a dense, scattered pile of small, cylindrical plastic pellets in various colors: teal, gray, and black. The pellets are more concentrated on the left side and become sparser towards the right.

AXEL

solutions for thermoplastics




process aid additives & external mold releases

AXEL offers a broad range of products focused on the needs of thermoplastic compounders and masterbatch producers, as well as those who are molding TP resins in a variety of processes. When you need the best, AXEL mold releases deliver unparalleled results.

solutions for thermoplastics

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























































- AXEL MoldWiz® additives are available for five primary functions: **Release, Flow, Scratch and Mar, Reduction of Coefficient of Friction, and Dispersion.**
- MoldWiz® process aid additives are unique chemical formulations most commonly for compounders, injection molders, color houses, and master batch producers.
- MoldWiz® additives are specially engineered for optimum performance, with formulations for commodity resins as well as engineering grade and advanced polymer resins.
- MoldWiz® additives are stearate and silicone free and come in powder, pellet, and liquid form. All formulations are 100% active.

 = Primary Functionality
 = Secondary Functionality
 = Tertiary Functionality
 P = Powder
 PT = Pellet
 L = Liquid

* For dispersion of fillers or pigment in masterbatch production, please also refer to the table for Dispersion Additives.

¹ Raw materials used in these formulations conform to some regulations for plastics or films that come in contact with food.

Process Aid Additives

Resin Type	MoldWiz® Product Name	Mold Release	Rheology (Flow)	Scratch/Mar Reduction	Reduced C of F	Dispersion*	Form
ABS	INT-33LCA ¹						P, PT
	INT-34DLK ¹						P, PT
	INT-EQ6						L
CAB	INT-33LCA ¹						P, PT
	INT-34DLK ¹						P, PT
	INT-EQ6						L
LCP	INT-55PV						P, PT
	INT-EQ6						P, PT
PA/PPA	INT-38HM ¹						P, PT
PBT & PBT alloys	INT-34DLK ¹						P, PT
	INT-40GHT ¹						L
	INT-701TPD						P, PT
	INT-EQ6						L
PC (Clear)	INT-33UDS						P, PT
PC & PC Blends	INT-701TPD						P, PT
	INT-33UDS ¹						P, PT
	INT-35UDH						P, PT
PC/ABS	INT-35UDH						P, PT
PE, HDPE, LDPE, LLDPE PP, TPO, TPE, TPU, TPV	INT-33LCA ¹						P, PT
	INT-701TPD						PT
	INT-34DLK ¹						P, PT

Process Aid Additives

Resin Type	MoldWiz® Product Name	Mold Release	Rheology (Flow)	Scratch/Mar Reduction	Reduced C of F	Dispersion*	Form
PEI	INT-55PV	☐	☐			☐	P, PT
PES	INT-33UDS ¹	■	☐				P, PT
	INT-55PV	■	☐		☐		P, PT
PET	INT-40GHT	☐	■				L
	INT-34DLK	☐	■				P, PT
PMMA (Acrylic)	INT-33UDS ¹	☐	■				P, PT
	INT-34DLK ¹	☐	■				P, PT
PMMA Cast	INT-AM2692EFC ¹	☐	■				L
	INT-AM121	☐	■				L
POM	INT-33UDS ¹	■	☐				P, PT
PPO, PPE	INT-33UDS ¹	☐	■				P, PT
PPS	INT-33UDS ¹	☐	■				P, PT
PS, HIPS, CPS	INT-33LCA ¹	☐	■		■		P, PT
	INT-EQ6	☐	■				L
PSO	INT-33UDS ¹	☐	■				P, PT
PVC	INT-66PV	☐	☐			■	P, PT
SAN	INT-33LCA ¹	☐	■				P, PT
	INT-34DLK ¹	☐	■				P, PT
SBS, SEBS	INT-33LCA ¹	■	☐				P, PT
	INT-34DLK ¹	☐	■				P, PT

Dispersion Aids / Thermoplastics

Product Name	Features	Form
MoldWiz® INT-40GHT ¹	Low viscosity, low color liquid improves wetting and dispersion. Also provides release when used in masterbatch production.	L
MoldWiz® INT-40DHT ¹	Useful for surface-treating TiO ₂ and many other fillers to improve dispersion and/or to increase loading in masterbatch production.	P (only)

External Mold Releases

		Product Name	Description	Application Technique / Temperature
MoldWiz® Polymeric Release	Solvent-based	F-57EF Aerosol	Easy to use during fluoropolymer release spray for injection molding any other products. Provides a dry film release. Will not contaminate parts or interfere in secondary processes. Provides multiple releases.	Spray at ambient or higher. Mold up to 500°F/260°C.
		AZN/EF Aerosol	Easy to use spray provides a wet, lubricious release. Especially recommended for TPU, PP, PA, and other materials requiring added slip. Non-silicone. Provides multiple releases.	Spray at ambient or higher. Mold up to 500°F/260°C.
	Water-based	EM-606SFL	Good release for EVA and similar foamed thermoplastic sheet materials.	Spray at ambient or higher. Mold up to 450°F/232°C.
		WB-2700	Good choice for belt lamination of thermoplastic sheets.	Spray at ambient or higher. Mold up to 400°F/204°C.
		WB-4606	Especially suited to rotomolding LLDPE, and cross-linked PE. Effective release without any coining, pockmarking, or surface defects.	Spray at ambient or higher. Mold up to 450°F/232°C.
		WB-4707N	For treating parting lines, pins, inserts, and threads. Also high slip in-mold release for the most difficult-to-pull parts.	Spray, wipe, or dip.
		WB-4909R	General purpose rotomolding release. Ideal for tank and container production.	Spray at ambient or higher. Mold up to 450°F/232°C.
Semi-Permanent XTEND® Releases	Solvent-based	1110EP	Semi-permanent, long lasting, durable release. Ideal for pressing, forming, or rotational molding applications.	Wipe or spray on at ambient or higher. Mold up to 800°F/426°C.
	Water-based	W-4000 Series	Semi-permanent, long lasting release for rotomolding, hot press molding, and thermoforming. Good for high temperature resins and processes.	Wipe or spray on warm molds. Apply at 100°F/38°C or up to 150°F/66°C. Heat cure after application. Mold up to 1000°F/538°C.

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