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Innovative Thermoplastic Solutions

US-made custom engineered additives for thermoplastic manufacturing. Our PDMS (polysiloxane) based masterbatch solutions are non-blooming, hydrophobic, and scratch/abrasion-resistant.



Silaplast™

Tiny thermoplastic additive, gigantic results

We custom engineer thermoplastic additives in a dry free-flowing pellet form that disperses uniformly throughout the polymer matrix during the manufacturing process. Adding Silaplast to the polymer allows the slip planes to slide better against each other.

+ Improves

- Cycle time
- Processing & flow
- Dispersion of colorant & fillers
- Scratch/mar/abrasion resistance
- Surface COF (static and dynamic)
- Polymer mechanical properties

- Reduces

- Parts sticking & burn marks
- Short shots, sink marks & non-fills
- Injection pressure & extruder torque
- Rib read-through & warp
- Gloss variation & colorant usage
- BSR (Buzz Squeak Rattle)
- NVH (Noise Vibration Harshness)



Our **Zero Toxicity, FDA compliant** engineered masterbatch is easier and safer to use, unlike liquids and powders. No special equipment needed, mix our easy to use pellets directly with your polymer pellets.

Why choose Excista?

Thermoplastic Innovation

Application specific thermoplastic additive siloxane (PDMS as well as organo-functional) solutions.


Customer-centric

Our customers are as unique as our thermoplastic solutions. We go out of our way to provide them with every opportunity to achieve thermoplastic manufacturing success.

25+ Years Experience

Advanced thermoplastic engineering knowledge and manufacturing experience in the fields of automotive plastics, medical devices, silicone and thermoplastic chemistry, and plastic processing technology.

Engineered Masterbatch Additives Portfolio

Product	Grade	Carrier Polymer	Compatibility	Active Ingredient	Concentration	Competitor Products		Application
						Dow Corning SiMB	Wacker Genioplast	
	ES6722	Polyolefin	PP, PE, TPO, TPE, TPV	UHMW PDMS	50	MB50-001 MB50-001 G2	Pellet P Plus Pellet S (Only 2 generic products with Silica as carrier)	Injection Molding Extrusion
	ES6772	Proprietary	PP, PE, TPO, TPE, TPV	Proprietary	Proprietary	HMB-0221		Film & Packaging
	ES7722	Polyolefin	PP, PE, TPO, TPE, TPV	UHMW PDMS	50	MB50-002	PELLET 345	Injection Molding Extrusion
	ES7722-DS	Proprietary	PP, PE, TPO, TPE, TPV, TPU, POM	Proprietary	45-48	MB25-301 MB50-321 MB25-381 MB25-302 MB50-313 MB50-314 MB50-017 MB40-006		Injection Molding Extrusion
	ES9622-PM	Pellethane TPU	TPU	UHMW PDMS	50			Medical Grade Molding and Extrusion
	ES3722	HIPS	PS, HIPS, ABS, SAN	UHMW PDMS	50	MB50-004		Injection Molding Extrusion
	ES2522	ABS	PS, HIPS, ABS, PC-ABS, SAN	UHMW PDMS	50	MB50-007		Injection Molding Extrusion
	ES8812	SAN	PS, HIPS, ABS, PC-ABS, SAN	UHMW PDMS	50	MB50-008		Injection Molding Extrusion
	ES5712	Nylon	PA6, PA66, PA6-12, PA12	UHMW PDMS	Proprietary	MB50-011		Injection Molding Extrusion
	ES9722	PET	Polyester	UHMW PDMS	50	MB50-012 MB50-010		Injection Molding Extrusion
	ES8722-AP	EVA	EVA, PVC	UHMW PDMS	50	MB50-320		Injection Molding Extrusion
	ES2832-ADS	PC	PC, PC-Blend	UHMW PDMS	50	MB50-315		Injection Molding Extrusion
ES4712	PLA	PLA	UHMW PDMS	50			Injection Molding Extrusion	

Siliplast™ masterbatches are readily available packaged in 4 lb pails, 50 lb bags, and 1500 lb octabins.

Excista Corporation

Headquarters, Fishers, Indiana USA
Manufacturing Plant, Illinois USA

Request Sample for Testing

<https://www.excista.com/request-sample/>

Customer Videos

<https://bit.ly/2UB9eWb>



The percentage of loading ranges from 2% to 5% depending on the composition, thickness and required functionality.