



PolyChemAlloy® is a manufacturer of specialty compounds, concentrates and products specifically tailored to a customer's individual needs. We have the technical know-how to find solutions to your particular problems. Our mission is to provide our customers with cutting-edge technology and innovations for growth, unsurpassed quality, and, superior responsiveness and service.

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Core Competencies

- Specialty compounds for wire and cable.
- Foam concentrates for 100% closed cell applications.
- Thermoplastic Elastomers for injection molding and extrusion.
- Pelletized impact modifiers for automotive and low temperature outdoor applications.
- Environmentally safe blowing agents and nucleating agents for polyolefins.
- Halogen-free flame retardant compounds for polyolefins.
- Alloys for medical applications; Class VI certification.
- Antimicrobial concentrates for textiles, films and medical applications.
- Antistatic masterbatches for polyolefins.
- Proprietary mixing technologies, reactive extrusion and masterbatching.

POLYCHEM ALLOY – PRODUCT LINE DESCRIPTION

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	TRADE NAME	PRODUCT DESCRIPTION	PRODUCT ATTRIBUTES	CAN BE USED IN	PROCESSES	TYPICAL APPLICATIONS
NEW PRODUCTS	ABUST®	ABS-based pelletized impact modifier	Eliminates use of hazardous, flammable powders; low temperature impact properties	Polyesters, nylons, polycarbonates, and blends	Injection molding, extrusion	Automotive interior and exterior, outdoor low temperature applications
	MEBUST®	MBS-based pelletized impact modifier	Eliminates use of hazardous, flammable powders, low temperature impact properties	Polyesters, nylons, polycarbonates, and blends	Injection molding, extrusion	Automotive interior and exterior, outdoor low temperature applications
	RHEADYN™	Flow enhancer	Significantly improves flow; improves ductility and toughness; low temperature ductility; maintains original resin properties	Nylon 12 and Nylon 6, 12	Injection molding, extrusion	Packaging, medical (catheter tubing), thin wall applications
	CLOCELL®	Foam concentrate	100% Closed cell technology, smooth surfaces, FDA compliant	Polyolefins	Injection molding, extrusion, blow molding	Wire and cable, synthetic closures, tubing
TPE's	FLEXPLAST®	Flexible thermoplastics elastomer	Highly flexible, soft touch	Polyolefins	Injection molding, extrusion	Soft touch applications, medical
	POLYBLEND	Thermoplastic adhesives	Provides excellent adhesion to metals and olefin substrates	Polyolefins	Extrusion (film and sheet)	Wire and cable
FLAME RETARDANTS	AQUAGARD	Halogen free flame retardant	Mineral based halogen free flame retardants, comply with UL94 fire and smoke regulations	Polyolefins	Injection molding	Wire and cable, electrical, electronics
	POLYGARD	Proprietary multicomponent flame retardant	Halogen containing flame retardant, UL V-O rated	Polyolefins, polyesters, nylons	Injection Molding, extrusion, vacuum forming	Wire and cable, automotive (spark plug housing, seatbelt covering, air bag covers, wire insulation)
ANTISTATS	POLYSTAT	Antistat based on ethoxylated tertiary	Gives antistatic properties to the materials (surface resistivity 10 ¹⁰ -10 ¹² ohm/sq.), FDA compliant	Polyolefins	Extrusion (film and sheet)	Food packaging, electronic packaging
	FILMSTAT	Antistat based on lauramide	Gives antistatic properties to the materials (surface resistivity 10 ¹⁰ -10 ¹² ohm/sq), FDA compliant	Polyolefins	Extrusion (film and sheet)	Food packaging, electronic packaging
OTHER CONCENTRATES	POLY1005n	Clarifier for film	Enhances optical clarity of films	Polypropylene	Extrusion (films), blow molding	Packaging, appliance (refrigerator trays)
	POLYSEPT®	Antimicrobial	Works well against a myriad of microbes, ASTM G-2190 compliant	Polyolefins	Injection Molding, extrusion (film and sheet)	Carpets, textiles (woven and nonwoven), medical
	POLYOXYTER®	Polyester performance enhancers	High strength adhesives for engineering thermoplastics, improves adhesion to metallic surfaces, oxygen and carbon dioxide barrier properties; FDA compliant	Polyesters, nylons polycarbonates, and blends	Injection molding, extrusion	Golf club shafts
	GMS AND FMA	Foam stabilizer	Stabilizes foam	Polyethylene	Injection molding; extrusion	Packaging
	POLYFAST	UV stabilizer	Prevents degradation in UV light(sunlight); improves color stability	Nylons (6 and 6/6)	Injection molding, extrusion (film and fiber)	Outdoor applications
PROCESSING AIDS	PAS3	Processing aid, slip additive	Improves flow at high speed film processing; improves cycle time in injection molding	Polyethylene	Injection molding, extrusion (films)	Packaging, processing aids
	TALC NUCLEATORS	Nucleating agents for polypropylene foam	Fine cell structure of extruded foam polypropylene, improves cycle time	Polyethylene, polypropylene	Injection molding, extrusion (foam)	Packaging
	POLYPURG	Proprietary multicomponent purging compound	Efficiently removes organic and inorganic pigments, fast cycle times, reducing machine wear, US FDS compliant	N/A	Extruders and injection molding machines	N/A