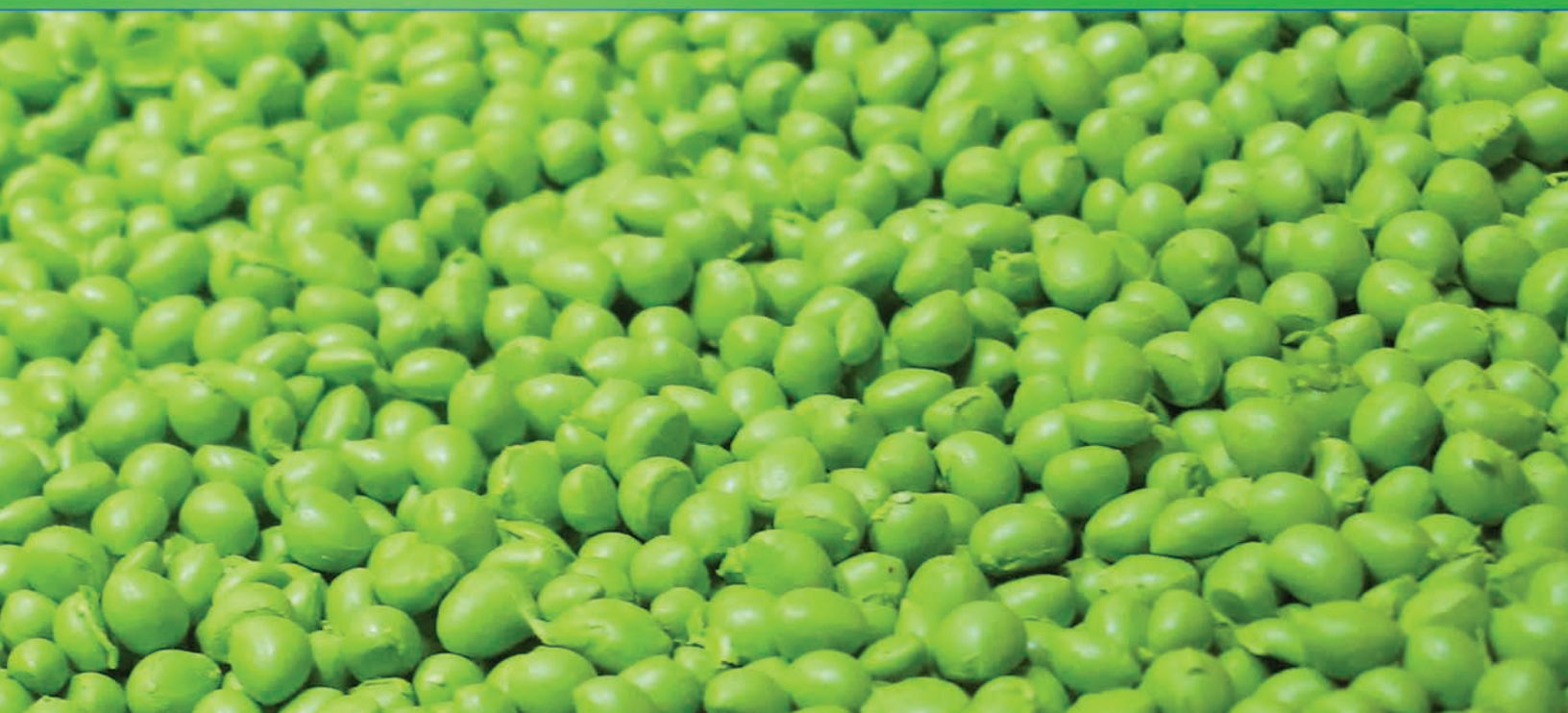




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*Huge color offerings,  
small-company service*

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Having the perfect color at the right time.**

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by our offerings, service and price!

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*Products*

- Dry Color Blends
- Color Concentrates
- High Load Color Concentrates
- X-Series Stock Color and Additive Concentrates
- Liquid Colors
- Custom Compounds
- Process Aids



## ACETAL COPOLYMER 2% SILICONE

### Product Description

Copolymer Acetal with 2% Silicone formulated for wear resistance against glass, plastic and metals. Superior processing and mechanical properties that provide dimensional stability, fast cycling, oil and chemical resistance.

### Physical Properties

Density	0.506 lb/in	ASTM D792
Water Absorption	0.21 %	ASTM D570; 24 hrs.

### Mechanical Properties

Linear Mold Shrinkage	.220 in/in	ASTM D955
Hardness, Rockwell M	75	ASTM D7852
Tensile Strength @ Yield	7400 psi	ASTM D638
Flexural Modulus	348 ksi	ASTM D790
Izod Impact- Notched	1.13 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	230 °F	ASTM D648
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## ACETAL COPOLYMER 10% PTFE

### Product Description

Copolymer Acetal formulated with 10% PTFE provides excellent wear properties, good dimensional stability and is an outstanding material for both wet and dry applications.

### Physical Properties

Density	0.556 lb/in	ASTM D792
Water Absorption	0.05 %	ASTM D570; 24 hrs.

### Mechanical Properties

Tensile Strength @ Yield	6700 psi	ASTM D638
Tensile Modulus	350 ksi	ASTM D638
Flexural Modulus	350 ksi	ASTM D790
Izod Impact- Notched	.900 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	310 °F	ASTM D648
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## ACETAL COPOLYMER 20% PTFE

### Product Description

Copolymer Acetal formulated with 20% PTFE provides excellent wear properties, good dimensional stability and is an outstanding material for both wet and dry applications.

### Physical Properties

Density	0.546 lb/in	ASTM D792
Water Absorption	0.18 %	ASTM D570; 24 hrs.

### Mechanical Properties

Tensile Strength @ Yield	6500 psi	ASTM D638
Tensile Modulus	325 ksi	ASTM D638
Flexural Modulus	10500 psi	ASTM D790
Izod Impact- Notched	.900 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	310 °F	ASTM D648
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## ACETAL COPOLYMER 15% GLASS FILLED

### Product Description

Copolymer Acetal with 15% Glass Fiber formulated for improved product toughness, good wear resistance, chemical inertness and low water absorption.

### Physical Properties

Density	0.538 lb/in	ASTM D792
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### Mechanical Properties

Linear Mold Shrinkage	.00400 in/in	ASTM D955
Tensile Strength @ Yield	12400 psi	ASTM D638
Tensile Modulus	838 ksi	ASTM D638
Flexural Modulus	720 ksi	ASTM D790
Izod Impact- Notched	.900 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	310 °F	ASTM D648
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## ACETAL COPOLYMER 25% GLASS FILLED

### Product Description

Copolymer Acetal with 25% Glass Fiber formulated for improved product toughness, good wear resistance, chemical inertness and low water absorption.

### Physical Properties

Density	0.571 lb/in	ASTM D792
Water Absorption	0.29 %	ASTM D570; 24 hrs.

### Mechanical Properties

Hardness, Rockwell M	80	ASTM D7852
Tensile Strength @ Yield	1600 psi	ASTM D638
Tensile Modulus	1200 ksi	ASTM D638
Flexural Modulus	1050 ksi	ASTM D790
Izod Impact- Notched	1.10 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	322 °F	ASTM D648
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## ABS/TPU ALLOY

### Product Description

ABS/Thermoplastic Polyurethane Alloy is formulated to provide a combination of flexibility and toughness at low temperatures. Excellent for applications where a no-break resin is required at low temperatures.

### Physical Properties

Density	0.0407 lb/in	ASTM D792
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### Mechanical Properties

Linear Mold Shrinkage	.00600 in/in	ASTM D955
Tensile Strength @ Yield	5110 psi	ASTM D638
Tensile Modulus	12.0 ksi	ASTM D638
Izod Impact- Notched	NB	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	110 °F	ASTM D648
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## PC /ABS ALLOY GENERAL PURPOSE GRADE

### Product Description

An excellent alloy choice for those thin-wall applications that require high stiffness, improved chemical resistance and long term hydrolytic stability.

### Physical Properties

Density	0.0354 lb/in	ASTM D792
Water Absorption	0.70 %	ASTM D570; 24 hrs.

### Mechanical Properties

Hardness, Rockwell M	114	ASTM D7852
Tensile Strength @ Yield	7980 psi	ASTM D638
Flexural Modulus	360 ksi	ASTM D790
Izod Impact- Notched	10.0 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	220 °F	ASTM D648
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## PC/ABS ALLOY IMPACT GRADE

### Product Description

An excellent alloy choice for those thin-wall applications that require high stiffness, improved chemical resistance and long term hydrolytic stability.

### Physical Properties

Density	0.0412 lb/in	ASTM D792
Water Absorption	0.15 %	ASTM D570; 24 hrs.

### Mechanical Properties

Linear Mold Shrinkage	.00600 in/in	ASTM D955
Hardness, Rockwell M	120	ASTM D7852
Tensile Strength @ Yield	8270 psi	ASTM D638
Tensile Modulus	338 ksi	ASTM D790
Flexural Modulus	348 ksi	ASTM D790
Izod Impact- Notched	22.4 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	225 °F	ASTM D648
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## NYLON 66 SUPER IMPACT

### Product Description

Nylon 66 modified for superior impact resistance and strength performance. Excellent replacement material for costly tradename products.

### Physical Properties

Density	0.0395 lb/in	ASTM D792
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### Mechanical Properties

Linear Mold Shrinkage	.0160 in/in	ASTM D955
Tensile Strength @ Yield	8400 psi	ASTM D638
Flexural Modulus	290 ksi	ASTM D790
Izod Impact- Notched	3.05 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	165 °F	ASTM D648
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## PC/ABS ANTIMICROBIAL BLEND

### Product Description

An excellent alloy choice for applications that require high stiffness, improved chemical resistance, long term hydrolytic stability and the addition of antimicrobial compounds which can kill or reduce the growth of microbes on the surface of the processed material.

### Physical Properties

Density	0.0405 lb/in	ASTM D792
Water Absorption	0.35 %	ASTM D570; 24 hrs.

### Mechanical Properties

Linear Mold Shrinkage	.00500 in/in	ASTM D955
Hardness, Rockwell M	115	ASTM D7852
Tensile Strength @ Yield	8020 psi	ASTM D638
Tensile Modulus	330 ksi	ASTM D790
Flexural Modulus	350 ksi	ASTM D790
Izod Impact- Notched	15.1 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	220 °F	ASTM D648
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## PC/PET ALLOY

### Product Description

PC/PET Alloy offers outstanding strength, durability and chemical resistance. Formulated for demanding applications that require properties to withstand harsh weather and severe environmental situations. Resists cracking, crazing and provides impact resistance where other resins fail.

### Physical Properties

Density	0.0437 lb/in	ASTM D792
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### Mechanical Properties

Linear Mold Shrinkage	.00800 in/in	ASTM D955
Tensile Strength @ Yield	8000 psi	ASTM D638
Flexural Modulus	320 ksi	ASTM D790
Izod Impact- Notched	15.0 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	250 °F	ASTM D648
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## PP HOMOPOLYMER 10% TALC-FILLED

### Product Description

PP Homopolymer 10% Talc Filled provides improved stiffness, dimensional stability and improved flow properties. Applications include irrigation, medical, water filter housings and fittings.

### Physical Properties

Density	0.0354 lb/in	ASTM D792
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### Mechanical Properties

Linear Mold Shrinkage	.0140 in/in	ASTM D955
Tensile Strength @ Yield	5010 psi	ASTM D638
Flexural Modulus	251 ksi	ASTM D790
Izod Impact- Notched	.500 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	141 °F	ASTM D648
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## PP HOMOPOLYMER 20% TALC FILLED

### Product Description

PP Homopolymer 20% Talc Filled provides improved stiffness, dimensional stability and improved flow properties. Applications include irrigation, medical, water filter housings and fittings.

### Physical Properties

Density	0.0279 lb/in	ASTM D792
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### Mechanical Properties

Linear Mold Shrinkage	.0120 in/in	ASTM D955
Tensile Strength @ Yield	4800 psi	ASTM D638
Flexural Modulus	321 ksi	ASTM D790
Izod Impact- Notched	.500 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	170 °F	ASTM D648
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## PP HOMOPOLYMER 10% GLASS FILLED

### Product Description

Polypropylene 10% Glass reinforced to provide high impact properties with increased strength, stiffness, heat deflection, and surface hardness.

### Physical Properties

Density	0.0350 lb/in	ASTM D792
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### Mechanical Properties

Linear Mold Shrinkage	.0170 in/in	ASTM D955
Tensile Strength @ Yield	5800 psi	ASTM D638
Tensile Modulus	363 ksi	ASTM D790
Flexural Modulus	325 ksi	ASTM D790
Izod Impact- Notched	.8010 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	235 °F	ASTM D648
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## PP HOMOPOLYMER 20% GLASS FILLED

### Product Description

Polypropylene 20% Glass reinforced to provide high impact properties with increased strength, stiffness, heat deflection, and surface hardness.

### Physical Properties

Density	0.0376 lb/in	ASTM D792
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### Mechanical Properties

Linear Mold Shrinkage	.005 in/in	ASTM D955
Tensile Strength @ Yield	8205 psi	ASTM D638
Flexural Modulus	425 ksi	ASTM D790
Izod Impact- Notched	2.01 ft-lb/in	ASTM D256

### Thermal Properties

Heat Deflection (264psi)	240 °F	ASTM D648
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## DRY COLOR AND COLOR CONCENTRATES

### Dry Color Blends

Dry Color Blends have been found to be among the most economical means of coloring plastic materials used by rotational molders, injection molders, blow molders and extrusion molders. Dry Color is an excellent choice for customers producing small or prototype runs. General Color's Dry Color Blends are micronized to ensure maximum dispersion through the material and our pre-weighed units simplify blending operations and eliminate dust.

For those using Dry Color Blends for rotational molding, our processing adds additional grinding to assure uniform pigment dispersion and incorporation into the product. Additionally, special dispersion and anti-static agents ensure a superior colorant for rotational molding.

### Color Concentrates

Color Concentrates are a popular choice for injection molders, blow molders and extrusion molders. Color Concentrate is supplied in non-dusting pellets and contains an abundant concentration of pigment blends in a resin binder system producing the desired color upon being letdown into a natural resin. In addition, Masterbatches are no problem for General Color.

### High Load Color Concentrate

High Load Color Concentrate provides the convenience of conventional color concentrates with the economies of dry color, making it perfect for customers utilizing sophisticated metering technology.

### X-Series Stock Color and Additive Concentrate

X-Series Stock Color and Additive Concentrate choices are manufactured using our proprietary universal carrier system and are available in 44 colors. This series offers small minimum orders. The X-Series is the perfect choice when the same color is run in different resins.

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## LIQUID COLOR

### Liquid Color

Liquid Color is offered by General Color using a TOTAL SYSTEMS approach. General Color supplies a quality and cost-effective Liquid Color System that creates custom formulas for specific applications and processes. Our Liquid Color Systems feature advanced colorants and additives, the latest in liquid color carrier technology, precision dosing equipment and experienced technical field sales.

General Color's Liquid Color Systems provide customers cost efficiencies, lower use rates, optimal color dispersion, reduced inventory space, immediate color control, and no heat history on pigments or carriers.

#### **The General Color TOTAL SYSTEMS approach includes:**

##### **Colorants**

- High Performance Pigments
- Heavy Metal Free (HMF)
- Transparent and Tints
- Special Effects
- Single Pigment Dispersions

##### **Additives**

- Anti-static Agents
- Foaming Agents
- UV Stabilizers
- Processing Aids
- Release Agents
- Clarifying and Nucleating Agents

##### **Advanced Liquid Carrier Systems**

- High Pigment Loadings for Low Use Rates
- Long Shelf Life
- Exceptional Dispersion and Suspension Properties

##### **Precision Dosing and Delivery Equipment**

- Instant and Simple Dosing Adjustments
- Effortless Color Changes
- Close-Loop Packaging that Prevents Spills
- Delivery Systems Designed for any Process

##### **Hands-On Technical Service**

- Assistance with Product Sampling
- Product and Service Training
- Process/Equipment Installations

##### **Multi-Functional Formulations**

- Synergistic Packages of Color and Multiple Additives

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## Perfect Color. Simplified.

### Featuring

- 5 day turn around on Custom Color Matching
- ISO 9001:2008 with Design
- Same day shipping on X-Series Stock Concentrates featuring over 40 colors and additives

### Customers Served

- Plastic Injection Molders
- Plastic Blow Molders
- Plastic Extruders
- Plastic Roto-Molders
- Adhesive and Caulking

### Products & Services

- Dry Color Blends
- Color Concentrates
- High Load Color Concentrates
- X-Series Stock Color (44 colors and additives)
- Liquid Colors
- Liquid Additives
- Pre-Color
- Stock and Custom Additive Concentrates
- Color Matching
- Custom Compounds
- Small Lot Compounding
- Mixing and Blending
- Custom Packaging
- Injection Mold and Metal Wipes
- PurgePacks™

Our clients are diverse, but they all have one characteristic in common: they demand quality. After 70 years in the color business, General Color provides what you require: Know-how. No excuses.

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## X-Series Stock Concentrates

Code	Color	(1) FDA	(2) RoHS	(3) HMF	(4) Light Stable	(5) Heat Stable Temp	(6) Closest Pantone Number	Polyolefins	GPSS	HIPS	Acrylics (7)	PVC Flex	PVC Rigid (7)	Polyurethane (7)	Polyamide (7)
GPCX-1000	Purple	Y	Y	Y	E	550°F	259C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-106	Royal Blue	Y	Y	Y	E	550°F	Reflex Blue C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-1200	Dark Blue	Y	Y	Y	E	550°F	288C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-1400	Navy	Y	Y	Y	E	550°F	282C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-1900	Light Blue	Y	Y	Y	E	550°F	299C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCE-205	Black	Y	Y	Y	E	500°F	Process Bk C	1-2%	NR	NR	NR	NR	NR	NR	NR
GPCV-203	Black	Y	Y	Y	Y	550°F	Process Bk C	1-2%	1-2%	1-2%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-35	Metallic Silver	N	N	Y	G	500°F	877C	1%	1%	1-3%	1%	1-2%	1-2%	1%	1-2%
GPCX-3000	Dark Gray	Y	Y	Y	E	550°F	432C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-3200	Silver Pearl	Y	Y	Y	G	550°F	877C	2-4%	2-4%	2-4%	2-4%	NR	NR	2-4%	NR
GPCX-3400	Gray	Y	Y	Y	E	550°F	430C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-4000	Dark Green	N	N	N	E	550°F	349C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-4030	Dark Green	Y	Y	Y	G	500°F	342C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-4100	Olive Drab	Y	Y	Y	E	475°F	574C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-4800	Green	N	N	N	E	550°F	340C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-4830	Green	N	Y	Y	G	500°F	340C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-5000	Golden Yellow	N	N	N	E	550°F	116C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-5030	Golden Yellow	Y	Y	Y	G	500°F	123C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-5050	Golden Yellow	N	N	N	G	475°F	116C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	NR
GPCX-5600	Yellow	N	N	N	E	550°F	108C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-5630	Yellow	N	Y	Y	G	500°F	108C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-5660	Yellow	N	N	N	G	475°F	108C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	NR
GPCX-6000	Pink	Y	Y	Y	G	550°F	189C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-6200	Orange	N	N	N	E	550°F	158C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-6230	Orange	Y	Y	Y	G	500°F	158C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-6600	Dark Red	N	N	N	E	550°F	200C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-6630	Dark Red	Y	Y	Y	G	500°F	200C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-6660	Dark Red	N	N	N	F	475°F	200C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	NR
GPCX-6900	Red	N	N	N	E	550°F	485C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-6930	Red	Y	Y	Y	G	500°F	485C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-6960	Red	N	N	N	F	450°F	485C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	NR
GPCX-7000	Tan	N	N	N	G	475°F	N/A	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	NR
GPCX-7030	Tan	Y	Y	Y	G	475°F	N/A	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	NR
GPCX-7200	Terra Cotta	Y	Y	Y	E	475°F	N/A	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	NR
GPCX-7500	Chocolate	Y	Y	Y	E	475°F	476C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	NR
GPCX-8000	Almond	N	N	N	E	550°F	468C	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-808	Appliance White	Y	Y	Y	E	550°F	N/A	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-8350	Blue White	Y	Y	Y	E	550°F	N/A	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-8400	White	Y	Y	Y	E	550°F	N/A	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%
GPCX-8480	White	Y	Y	Y	E	550°F	N/A	1-2%	1-2%	1-3%	1-2%	1-2%	1-2%	1-2%	1-2%

**Key** Y=Yes N=No NR=Not Recommended N/A=No Pantone Number Available

**Footnotes** (1) All ingredients listed in Code of Federal Regulations (CFR)

(2) Compliant with EU RoHS Directive

(3) HMF=Heavy Metal Free (Non-Toxic) - Does not contain Lead (Pb), Cadmium (Cd), Mercury (Hg), Selenium (Se)

(4)- Light Stability-E=Excellent (okay for outdoor use) G=Good (okay for partial outdoor use) F=Fair (Indoor Only)

Light Stability refers to the pigments used to make each particular color. UV stabilizers and Antioxidants may be needed to protect the resin

Weatherability-good lightfastness does not always translate to good weatherability. Contact us to discuss your application.

(5)- Heat Stability is based on a 2-minute dwell in an injection press with a GP Screw. A criteria of a ΔE of 1.0 CMC color change .

(6)-Pantone Matching System is an ink based color chart also known as PMS number.

(7)-Drying our X-series with the base resin is not recommended as it causes the concentrate to soften and become "sticky".

**Disclaimer** This information sheet was put together as a guideline to assist our customers. All information on this sheet is believed to correct, but is not guaranteed to be so. We recommend testing our stock concentrates under your parameters. Samples are available for testing.



## PurgePacks™

Simplify the Purging Process

### PurgePacks™

PurgePacks™ are individually packaged and pre-measured High Performance Purging Solutions. Designed specifically to Simplify the Purging Process and Reduce the Costs associated with the purging process- downtime, resin consumption and product economics.

### Benefits and Features

- Easy to Use and Operator Friendly
- Supreme Purging Performance
- Economical- Only a Small Amount is Required for an Effective Purge
- No Mixing or Weighing
- No Soaking or Temperature Requirements
- FDA Compliant
- Compatible with ALL Resins- No Need to Inventory Multiple Grades
- Reduces Purging Costs

### Grade Selection

#### **PurgePacks™ High Performance Purging Solution**

- General Purpose Purging for Injection Molding, Blow Molding and Extrusion.
- Contain a High Performance Liquid Solution designed to attack the carbon build up and degraded polymer in the screw, barrel and hot runner systems.

#### **PurgePacks™ +PLUS with Scrubbing Prills**

Contain a High Performance Liquid Solution with Scrubbing Prills that scour the screw, barrel and hot runner systems with a proprietary mechanical Prill (Polymer-Glass-Ceramic Alloy). Compatible with ALL Thermoplastic Resins- PurgePacks™ +PLUS With Scrubbing Prills provides a fast, effective purge when changing resin, color, preventative maintenance or prior to pulling a screw.

#### **PurgePacks™ XPRESS Cleansing Crystals**

Our Most Versatile Purging Product. PurgePacks™ XPRESS Cleansing Crystals is a High Performance Purging Solution that consists of proprietary Crystals designed to remove the TOUGHEST carbon build up, degraded polymer or colorant. PurgePacks™ XPRESS Cleansing Crystals has no carrier and is 100% Active, containing proprietary Crystals that strip carbon build up, degraded polymer and color. Supreme Purging Performance for injection molding, blow molding and extrusion.

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