



PLANT OVERVIEW





COMPANY PROFILE

GENERAL INFORMATION

Name: General Color, LLC.
Location: Shipping: 350 Bridge Street, Minerva, Ohio 44657
Mailing: PO Box 7, Minerva, Ohio 44657
Website: www.generalcolor.com
Founded: 1938

MANUFACTURING PLANT

Land Area: 10 Acres
Plant Building: 90,000 sq. ft. - 57,000 sq. ft.
Employees: 35
Plant Capacity: 52 Million lb/yr. Pellets - 3.4 Million lb/yr Liquid

Industries Served: Plastic Injection Molding Plastic Blow Molding
Plastic Extrusion Plastic Rotational Molding
Adhesives and Caulking

Products: Dry Color (bulk and unitized) Color Concentrates
Masterbatches Precolor
Compounding Additive Concentrates
Liquid Color Alloys

Current Markets: Automotive Outdoor Furniture
Appliances Housewares
Electronics Packaging and Closures
Medical Recreational Products
Toys Building Products
Consumer Products Proprietary Compounding

MAIN EQUIPMENT

Extrusion: 3-Twin-Screw Extruders (57mm to 75mm) Strand Cut and Underwater Pelletizer
6-Single-Screw Extruders (2.5" to 6.0") (Gala)

Mixing Capability: 15 High and Medium Intensity Mixers. 5 Liquid Mixers 5 lbs to 3000 lbs
Batch sizes from 5 lbs. to 6000 lbs. 1-Liquid Dispersion Mill

Shipping/Receiving: Rail Car, Bulk Truck,
Conventional Gaylord Box

Laboratory: All basic physical properties can be measured (see attached)



LAB EQUIPMENT LIST

MACHINE NAME	MODEL NO.	MANUFACTURER
Rotational Molding Machine	R-1	MWC
Rotational Molding Machine	R-2	MWC
Injection Molding Press	30-D	Boy
4-Injection Molding Press	22-S	Boy
Injection Molding Press	50T	Battenfeld
Injection Molding Press	H1-30CS	Newbury
Injection Molding Press	H1-30CS	Newbury
Injection Plunger Press	Mini-Jecter 20	Newbury
Lab Extruder	D61	CW Brabendar
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Lab Pelletizer	304	Conair
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Heating Press	Laboratory press-C	Carver
Resin Pulverizer	Model 50	Reduction Engineering
Melt Indexer	E-86	Tinius Olsen
Muffle Furnace	MAS 700	CEW
Scale - 200.000 g (3)	PM100	Mettler
Scale – 200.000 g	PC220	Mettler
Specific Gravity / Density	ME33340	Mettler
Scale-8000 g	8000M	Doran
Color Testing Spectrophotometer	CM 3600	Minolta
Color Matching Spectrophotometer	SF600 Plus	Data Color, Int.
Microscope (Reflection)	PS HL-HD	Fischer Scientific
Band Saw	Craftsman	Sears
Oven	1370 degree F	VWR Scientific
Temp and Humid Recorder		Bemis
Color Matching Light Booth		Data Color
Color Matching Light Booth	CMIite	GTI
Speed Mixer	DAC 400 FN	Flack Tek Inc.
Resin Dryer (desiccant)	4 hopper	Arid X
Air Mixer	102-A	Fawcett Co.
Roto Mixer	4520	Kelly Duplex
Viscometer	RVT (2004)	Brookfield
Viscometer	RVT (2010)	Brookfield
Aquatrac Moisture Analyzer		Brabendar Messtechnik
Moisture Analyzer	HX204	Mettler Toledo



TESTING CAPABILITIES

(Internal and Akron Rubber Development Laboratory)

PROPERTY/TEST	ASTM DESIGNATION	CONDITION/SAMPLE SPECIMEN
Ash Content	D-2584	
Flammability	D-4804	
Flexural	D-790	Test Method I-Procedure A
Gardner Index	D-3029	Test Method G/4 lb. weight
Heat Deflection Temp.	D-648	66 & 264 PSI loads available
Izod	D-256	Room temp. to -45 degree C
Melt Flow Rate	D-1238	
Rockwell Hardness	D-785	
Shore Hardness	D-2240	Shore A and D
Specific Gravity	D-792	
Tensile	D-638	Inject. molded type I & V samples
Thermal-Oxidative Stability	D-3012	Biaxial Rotating Oven (Gear oven)
Environmental Stress Crack	D-1693	

NON-ASTM TESTING CAPABILITIES

Impact	ARM Standard (-40 degrees F)
Moisture Absorption	
Falling Dart Impact	GM Type; 24" Height Maximum
Color Measurement	Minolta Spectrophotometer
Color Matching	Datacolor International Spectrophotometer
FT-IR	Perkin-Elmer 1600 Series Spectrometer
Low Temp. Freezer	-20 to -96 degree C Capability
Moisture Absorption	



CONTACT



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