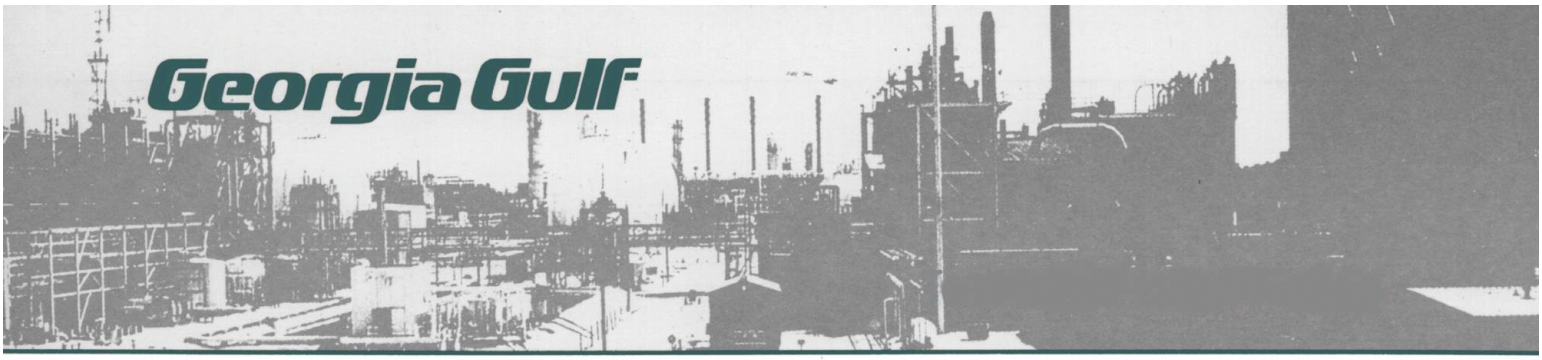

PVC-1060

This is a low molecular weight, general purpose, vinyl suspension resin. PVC-1060 is designed for clear and opaque, injection blow molded bottles, and other high flow injection and blow molding applications where contamination and rigid gel levels are not a concern. This resin has good clarity, color and thermal stability. Kosher approved.

ASTM Cell Classification	ASTM D1755	GP1-16140
Inherent Viscosity	ASTM D1243	0.60 ± 0.02
Relative Viscosity		1.70
'K' Value	DIN 53726	53
Bulk Density, lbs/ft^3	ASTM D1895	33.0 min.
gms/cm^3		0.528 min.
Percent Volatiles	GGC 02-05-00	0.35 max.
Syntron Contamination, particles/100 gms	GGC 02-22-00	100 max.
Residual Vinyl Chloride monomer, ppm	ASTM D3749	3.0 max.
Hunterlab Color, 'L'	GGC 02-25-00	94.0 min.
'a'		0.60 max.
'b'		2.75 max.
Particle Size Distribution	ASTM D1921	
percent retained on 40 mesh	method A	0 max.
60 mesh		5 max.
200 mesh		39 max.
Pan		7 max.

11/20/00, rev. 0

PVC-1066

This is a low molecular weight, general purpose, vinyl suspension resin. PVC-1066 is designed for clear and opaque, extruded sheet, bottles, and other high flow injection and blow molding applications where contamination and rigid gel levels are not a concern. This resin has good clarity, color and thermal stability. Kosher approved.

ASTM Cell Classification	ASTM D1755	GP1-16340
Inherent Viscosity	ASTM D1243	0.68 ± 0.02
Relative Viscosity		1.84
'K' Value	DIN 53726	56
Bulk Density, lbs/ft^3	ASTM D1895	33.0 min.
gms/cm^3		0.528 min.
Percent Volatiles	GGC 02-05-00	0.35 max.
Syntron Contamination, particles/100 gms	GGC 02-22-00	100 max.
Residual Vinyl Chloride monomer, ppm	ASTM D3749	2.0 max.
Hunterlab Color, 'L'	GGC 02-25-00	95.0 min.
'a'		0.30 max.
'b'		2.35 max.
Particle Size Distribution	ASTM D1921	
percent retained on 40 mesh	method A	0 max.
60 mesh		5 max.
200 mesh		39 max.
Pan		7 max.

03/01/02, rev. 6

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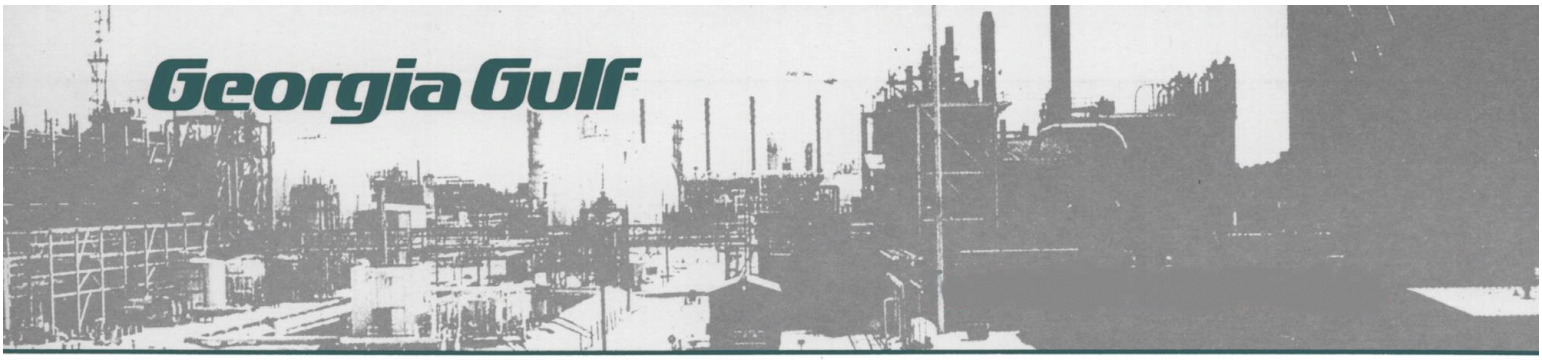


PVC-1070

This is a low molecular weight, general purpose, vinyl suspension resin. PVC-1070 is designed for clear and opaque, extruded sheet, bottles, injection and blow molding, and other rigid applications where contamination and rigid gel levels are not a concern. This resin has good clarity, color and thermal stability. Kosher approved.

ASTM Cell Classification	ASTM D1755	GP2-16340
Inherent Viscosity	ASTM D1243	0.70 ± 0.02
Relative Viscosity		1.87
'K' Value	DIN 53726	57
Bulk Density, lbs/ft^3	ASTM D1895	33.0 min.
gms/cm^3		0.528 min.
Percent Volatiles	GGC 02-05-00	0.35 max.
Syntron Contamination, particles/100 gms	GGC 02-22-00	100 max.
Residual Vinyl Chloride monomer, ppm	ASTM D3749	2.0 max.
Hunterlab Color, 'L'	GGC 02-25-00	95.0 min.
'a'		0.25 max.
'b'		2.20 max.
Particle Size Distribution	ASTM D1921	
percent retained on 40 mesh	method A	0 max.
60 mesh		5 max.
200 mesh		39 max.
Pan		7 max.

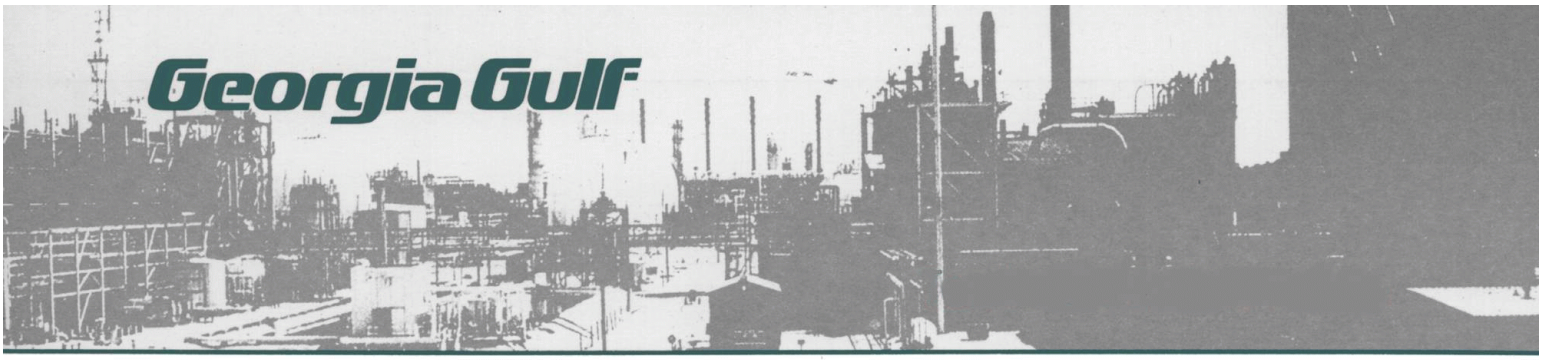
11/03/00, rev. 4

PVC-1091

PVC-1091 is a medium molecular weight, general purpose, vinyl suspension resin designed for pipe, siding, window lineals and other general rigid extrusion applications where consistent particle size distribution, and low contamination and residual VCM levels are important. This resin has good color and thermal stability.

PVC-1091 is listed in PPI's Technical report, "*Policies and Procedures for Developing Recommended Hydrostatic Design Stresses for Thermoplastic Pipe Materials*" (TR-3/92), under part Y, "*PVC Range Composition Exempted From Stress-Rupture Data Requirements For Listing At 73°F (23.0°C)*" as GG 1091. PVC-1091 also meets the requirements under part S, "*Substitution Of Resin In Polyvinyl Chloride (PVC) Plastic Pipe Formulations*".

ASTM Cell Classification	ASTM D1755	GP3-16440
Inherent Viscosity	ASTM D1243	0.90 ± 0.02
Relative Viscosity		2.13
'K' Value	DIN 53726	65
Bulk Density, lbs/ft^3	ASTM D1895	33.0 min.
gms/cm^3		0.529 min.
Percent Volatiles	GGC 02-05-00	0.35 max.
Residual Vinyl Chloride monomer, ppm	ASTM D3749	2.0 max.
Hunterlab Color, 'L'	GGC 02-25-00	95.5 min.
'a'		0.20 max
'b'		1.75 max.
Slurry Contamination, particles/100 gms	GGC 02-21-00	20 max. (siding grade) 100 max. (pipe grade)
Particle Size Distribution	ASTM D1921	
percent retained on 40 mesh	method A	0 max.
60 mesh		9 max.
200 mesh		13 max.
Pan		5 max.



PVC-1095

This is a medium molecular weight, general purpose, vinyl suspension resin. PVC-1095 is designed for flexible profile extrusion, calendered and extruded sheet, blown film, wire & cable and other flexible applications where contamination and flexible gel levels are not a concern. This resin has good clarity, color, plasticizer sorption and thermal stability. Kosher approved.

ASTM Cell Classification	ASTM D1755	GP4-16440
Inherent Viscosity	ASTM D1243	0.95 ± 0.02
Relative Viscosity		2.25
'K' Value	DIN 53726	68
Bulk Density, lbs/ft^3	ASTM D1895	31.0 min.
gms/cm^3		0.497 min.
Percent Volatiles	GGC 02-05-00	0.35 max.
Slurry Contamination, particles/250 gms	GGC 02-22-00	25 max.
Residual Vinyl Chloride monomer, ppm	ASTM D3749	2.0 max.
Hunterlab Color, 'L'	GGC 02-25-00	96.5 min.
'a'		0.05 max.
'b'		1.50 max.
Particle Size Distribution	ASTM D1921	
percent retained on 40 mesh	method A	0 max.
60 mesh		5 max.
200 mesh		16 max.
Pan		4 max.

3/25/99, rev. 3