



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 gms/cm ³	ASTM D1895	33.0 min. 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.

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IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration, investigation and verification. These values and sets of properties are based upon laboratory work with small scale equipment and does not necessarily indicate end product performance. Full scale testing and end product use and performance are the responsibility of the Buyer. Buyer assumes all risk of use, storage and handling of the product. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.

¹ "value" may not be construed as product specifications.