

Technical Data Sheet

PVC Suspension Resins 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 Technical Report, 'PPI PVC Range Composition Listing of Qualified Ingredients' (TR-2/2006), under Section IV, 'Listings of Qualified and Functionally Equivalent Ingredients' Table 1-PVC Resin.

Item	Test Method	Typical Properties
ASTM Cell Classification	ASTM D1755	GP4-16200
Inherent Viscosity	PPVC 45A	0.90+/- 0.02
Relative Viscosity		2.13
"K" Value	DIN 53726	65
Bulk Density, lbs/ft ³	PPVC 24	>33.7
gms/cm ³		>0.540
Percent Volatiles	PPVC 22	<0.35
Residual Vinyl Chloride	PPVC 27	<2.0 (potable water)
Monomer, ppm		<5.0 (profile extrusion)
HunterLab Color, 'L'	PPVC 38	>96.5
'a'		<1.3
'b'		<2.8
Slurry Contamination	PPVC 34	<20 (siding grade)
Particle/100 gms		<100 (pipe grade)
Particle Size Distribution	PPVC 31A	
Percent retained on 40 mesh		0
60 mesh		<9
200 mesh		<13
Pan		<5

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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 do 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. "Value" may not be construed as product specifications.