

# Reon 67-01

## Polyvinyl Chloride Homopolymer

### Reliance Industries Limited



Prospector

#### Product Description

Reon 67-01 is a medium molecular weight suspension type PVC resin suitable for rigid extrusion products. It is specially recommended for rigid pipes & conduits, rigid profiles, rigid sheets, unplasticised tubular film etc. Its combination of medium molecular weight with high apparent bulk density makes it suitable for easy processing at high output rate, still maintaining the high mechanical properties. Its balanced heat loss property does not allow static to develop and reduces the flow time. At the same time the resin contains minimum volatiles. The narrow range of porosity of Reon 67-01 makes it easy to maintain a uniform fusion point at constant lubricant level. Uniform coarseness of the grains of this resin results in easy bulk handling, minimum requirement of lubricant and more uniform fluxing in the extruder.

#### General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Features	• Good Processability	• Homopolymer	• Medium Molecular Weight
Uses	• Conduit • Film	• Piping • Profiles	• Sheet
Agency Ratings	• IS 10151		
Appearance	• Clear/Transparent		
Processing Method	• Blown Film	• Calendering	• Extrusion

Physical	Nominal Value Unit	Test Method
Apparent Density	0.55 g/cm <sup>3</sup>	ASTM D1895
K-Value <sup>2</sup>	67.0	

Thermal	Nominal Value Unit	Test Method
Heat Loss	< 0.30 %	ASTM D3030

Additional Information	Nominal Value Unit	Test Method
Dark Resin - for 100 g resin	< 10.0 count/g	
Flow Time	< 25.0 sec	ASTM D1895
Inherent Viscosity	0.920	ASTM D1243
Particle Size Distribution		ASTM D1921
Retention on ASTM 40 mesh	< 0.10 %	
Retention on ASTM 60 mesh	< 5.0 %	
Through ASTM 140 mesh	< 25 %	
Porosity - DOP	0.210 to 0.290 cm <sup>3</sup> /g	ASTM D3367
Residual Vinyl Chloride Monomer	< 2 ppm	ASTM D3749

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> @ 1% in cyclohexanone