

Reon 57-01

Polyvinyl Chloride Homopolymer

Reliance Industries Limited

Message:

57-01 is a low molecular weight suspension type PVC resin suitable for rigid injection moulding and rigid sheet extrusion applications. It is specially recommended for injection moulding of pipe fittings and calendering of opaque sheets. Its combination of low molecular weight with high melt flow makes it suitable for easy processing in injection moulded items. Uniform coarseness of the grains of this resin results in easy bulk handling, minimum requirement of lubricant and more uniform fluxing in the barrel.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	High Flow		
	Low Molecular Weight		
Uses	Containers		
	Foam		
	Foamed Insulation Board		
	Food Service Applications		
	Handles		
	Piping		
Agency Ratings	IS 10151		
	Calendering		
	Extrusion		
	Injection Molding		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.48 to 0.54	g/cm ³	ASTM D1895
K-Value ¹	57.0		
Inherent Viscosity	0.68		ASTM D1243
Particle Size - Retention on 30 mesh	< 0.00500	%	
Particle Size Distribution			ASTM D1921
Retention on ASTM 40 mesh	< 0.10	%	
Retention on ASTM 60 mesh	< 2.0	%	
Through ASTM 140 mesh	< 50	%	
Heat Loss	< 0.30	%	ASTM D3030
Flow Time	< 25.0	sec	ASTM D1895
Porosity - DOP	0.220 to 0.340	cm ³ /g	ASTM D3367

Residual Vinyl Chloride Monomer	< 2	ppm	ASTM D3749
NOTE			

1. @ 1% in cyclohexanone

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