

Reon 57-11

Polyvinyl Chloride Homopolymer

Reliance Industries Limited

Message:

57-11 is a suspension type PVC resin specially recommended for blow moulding / stretch blow moulding of bottles and calendaring of sheets. The grade's combination of low molecular weight and high melt flow makes it suitable for easy processing of calendered, blow moulded and injection moulded items. Its low fish eye / low dark resin count make it suitable for transparent applications and the uniform coarseness of its grains result in easy bulk handling / optimum requirement of lubricant / more uniform fluxing in the barrel.

General Information			
Features	Good Processability		
	High Flow		
	Homopolymer		
	Low Molecular Weight		
Uses	Bottles		
	Cosmetics		
	Film		
	Handles		
	Packaging		
	Piping		
	Sheet		
Agency Ratings	IS 10151		
Processing Method	Blow Molding		
	Calendering		
	Extrusion		
	Injection Molding		
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
Dark Resin - for 100 g resin	< 4.00	count/g	
Fish Eye - Blown Film Method	< 10.0		

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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