

Reon 60-11

Polyvinyl Chloride Homopolymer

Reliance Industries Limited

Message:

60-11 is a low molecular weight suspension type PVC resin suitable for blow moulding and calendering applications. It is specially recommended for BM / SBM of bottles and calendering of sheets. Its combination of low molecular weight with high melt flow makes it suitable for easy processing of calendered, blow moulded and injection moulded items. It has a low fish eye and low dark resin count which makes it suitable for transparent applications. Uniform coarseness of the grains of this resin results in easy bulk handling, optimum requirement of lubricant and more uniform fluxing in the barrel.

General Information	
Features	Good Processability Homopolymer Low Molecular Weight
Uses	Bottles Containers Cosmetic Packaging Cosmetics Film Packaging Sheet
Agency Ratings	IS 10151
Appearance	Clear/Transparent
Processing Method	Blow Molding Calendering Injection Molding

Physical	Nominal Value	Unit	Test Method
Apparent Density	0.49 to 0.55	g/cm ³	ASTM D1895
K-Value ¹	60.0		
Inherent Viscosity	0.75		ASTM D1243
Particle Size - Retention on ASTM 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	< 40	%	
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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