

Reon 67-11

Polyvinyl Chloride Homopolymer

Reliance Industries Limited

Message:

67-11 is a medium molecular weight suspension type PVC resin suitable for manufacturing plasticised extruded as well as moulded products. It is specially recommended for insulation / sheathing of wires and cables, calendering, flexible films, other flexible extruded products, injection moulding, etc. The low RVCM level in the resin makes it ideal for medical and food contact applications. Its combination of medium molecular weight with high porosity leads to low powder mix time with good plasticiser absorption, resulting in easy processability. 67-11 is therefore suitable for processing of flexible products with good mechanical properties and high output rate.

General Information			
Features	Food Contact Acceptable		
	Homopolymer		
	Medium Molecular Weight		
Uses	Cable Jacketing		
	Film		
	Footwear		
	Hose		
	Insulation		
	Medical Devices		
	Non-specific Food Applications		
	Sheet		
	Wire & Cable Applications		
	Wire Jacketing		
Agency Ratings	IS 10151		
Processing Method	Calendering		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.53	g/cm ³	ASTM D1895
K-Value ¹	67.0		
Inherent Viscosity	0.92		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	< 5.0	%	
Through ASTM 140 mesh	< 25	%	
Heat Loss	< 0.30	%	ASTM D3030

Dark Resin - for 100 g resin	< 10.0	count/g	
Electrical Conductivity	< 2.00	μS/cm/g	ASTM D1755
Fish Eye	< 10.0		
Flow Time	< 25.0	sec	ASTM D1895
Porosity - DOP	0.300 to 0.360	cm ³ /g	ASTM D3367
Residual Vinyl Chloride Monomer	< 2	ppm	ASTM D3749

NOTE

1. @ 1% in cyclohexanone

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