REON
POLYVINYL CHLORIDE
A Reliance Polymers product

Reliance
POLYMERS

67-11

POLYVINYL CHLORIDE

SUSPENSION HOMOPOYMER FOR FLEXIBLE APPLICATIONS

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.

Typical Characteristics			
Properties	**Test Method**	**Unit**	**Typical Value***
K-value	@1% in cyclohexanone	-	67
Inherent Viscosity	ASTM D1243	-	0.92
Apparent Bulk Density	ASTM D1895	g/ml	0.53
Flowtime	ASTM D1895	secs	25 max
Heat Loss	ASTM D3030	% max	0.3
Particle Size Distribution	ASTM D1921		
- Retention on ASTM 40 mesh		% max	0.1
- Retention on ASTM 60 mesh		% max	5
- Through ASTM 140 mesh		% max	25
Porosity (DOP)	ASTM D3367	ml/g	**0.30 - 0.34**
Dark Resin	For 100 g resin	count	**04 max**
Fish Eye	Blown Film Method	count	10 max
Residual VCM	ASTM D3749	ppm	<2
Electrical Conductivity	ASTM D1755	µS/cm/g	<2

*Typical values not to be considered as specifications

Applications

- Flexible calendered sheets
- Injection moulding of shoe sole & footwear
- Garden / suction hose, shower curtain, bloodbag, I.V. fluidbag, tubing
- Cable insulation & sheathing

Regulatory Information

- Meets the requirements stipulated in IS 10151, on PVC and its Copolymers for its safe use in contact with foodstuff, pharmaceuticals and drinking water
- Does not contain any auxillary items like stabilizer, lubricant etc. It also conforms to the positive list of constituents as presented is IS 10148

Storage Recommendations

- Bags should be stored in dry conditions at temperatures below 50°C and protected from UV / direct sunlight

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