REON
POLYVINYL CHLORIDE
A Reliance Polymers product

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60-11

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SUSPENSION HOMOPOLYMER FOR BIOW MOULDING & CALENDERING

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.

Typical Characteristics

Properties	Test Method	Unit	Typical Value*
K-value	@1% in cyclohexanone	-	60
Inherent Viscosity	ASTM D1243	-	0.75
Apparent Bulk Density	ASTM D1895	g/ml	0.49 – 0.55
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	2
- Through ASTM 140 mesh		% max	40
Retention on 30 mesh	For 25 kg resin	% max	0.005
Porosity (DOP)	ASTM D3367	ml/g	0.22 – 0.34
Dark Resin	For 100 g resin	count	4 max
Fish Eye	Blown Film Method	count	10 max
Residual VCM	ASTM D3749	ppm	<2

*Typical values not to be considered as specifications

Applications

- Calendering - Rigid films / sheet for blister packaging, cooling tower frills
- Bottles & containers for cosmetic, mineral water, edible oil, shampoo and display jars

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 stabiliser, lubricant, etc. It also conforms to the positive list of constituents as presented in 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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