K-6701

POLYVINYL CHLORIDE

SUSPENSION HOMOPOLYMER FOR RIGID APPLICATIONS

Reon K-6701 is a medium molecular weight suspension type PVC resin suitable for rigid extrusion products. It is specially recommended for rigid pipes & conduits, rigid profiles, rigid sheets, unplasticised tubular film etc. Its combination of medium molecular weight with high apparent bulk density makes it suitable for easy processing at high output rate, still maintaining the high mechanical properties. Its balanced heat loss property does not allow static to develop and reduces the flow time. At the same time the resin contains minimum volatiles. The narrow range of porosity of Reon K-6701 makes it easy to maintain a uniform fusion point at constant lubricant level. Uniform coarseness of the grains of this resin results in easy bulk handling, minimum requirement of lubricant and more uniform fluxing in the extruder.

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	0.55
Flowtime	ASTM D1895	secs	25 max
Heat Loss	ASTM D3030	% max	0.30
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	0.21 – 0.29
Dark Resin	For 100 g resin	count	10 max
Residual VCM	ASTM D3749	ppm	<2

*Typical values not to be considered as specifications

Applications

- Rigid pipes and conduits
- Rigid blown film
- Rigid profiles, sheets
- Rigid calendered film

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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