

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 RVC 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 auxiliary items like stabilizer, 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

Reliance Industries Limited, Product Application & Research Center (PARC)
RIL Baroda Complex, P. O. Petrochemicals, Vadodara 391346, Gujarat. Tel.: +91-265-6696000. E-mail: polymer_patsupport@ril.com Website: www.ril.com

• The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or international. • The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorised agents, as the information and/or data is subject to change based on the research and development work undertaken by the company.

Updated as of April 2019