



Poly Vinyl Chloride

K6701

K6701 is a medium molecular weight Polyvinyl Chloride homopolymer Suspension Resin produced by suspension process. Its medium molecular weight, in conjunction with its high apparent density and low porosity lends it for easy gelling and to achieve high output rate. After mixing with appropriate additives, K6701 is suitable for processing by the extrusion process. It is suitable for a range of clear and opaque rigid applications where both easy processing at high output rate and high mechanical properties are important.

Application

It is typically used for the following applications:

- Rigid pipes, conduits and extruded profiles
- Flexible calendared sheets – supported and unsupported
- Rigid sheets – opaque and clear
- Wire, cable insulation and sheathing
- Flexible and rigid extrusions, injection moulding
- Footwear compounds

Properties	Test Procedure	Unit	Typical Value
K-Value	ISO 1628-2	in 1% Cyclohexanone	67
Inherent Viscosity	ASTM D 1243	No.	0.91-0.93
Apparent Density	ASTM D 1895	g/cm ³	0.535-0.585
Particle Size			
40 mesh retention, % weight	ISO 4610	%	Nil
100 mesh retention, % weight	ISO 4610	%	45 max
230 mesh retention, % weight	ISO 4610	%	97 min
Heat loss	ISO 1269	% (max)	0.3 max
Plasticizer absorption	ISO 4608	%	21
Porosity	ISO 4608	ml/g	0.21
Flow time, (Seconds)	ISO 6186	sec	20 max
Dark Resin	CP 1004	No./ 100 g resin	10 max
VCM Content	CP 1001	ppm	<1

* The above are typical values, they are for guidance only, and must not be used as a basis for specifications.

Regulatory Information

K6701 meets the specification under IS10151:1982, on PVC and its Copolymer for its safe use in contact with foodstuffs, pharmaceuticals and drinking water. However it is the responsibility of the customer and producer of end product to ensure that the final material or article complies with all relevant regulations.

Storage

Store in a cool, dry, well-ventilated area or silo, away from sources of heat, flame and sparks.

The information supplied in this publication relates to prime quality products only. It is based on our general experience and is given in good faith without warranty/guarantee. It is recommended that the user satisfies himself on the aspects of full-scale testing and end product performance.



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