

Kuraray Poval® PVA 405

Polyvinyl Alcohol

Kuraray Co., Ltd.

Message:

Partially hydrolysed grade

Mowiol® and Kuraray Poval® are the trade name of the polyvinyl alcohols marketed by Kuraray. These are manufactured from polyvinyl acetate by alcoholysis using a continuous process. By varying the degree of polymerization of the polyvinyl acetate and its degree of hydrolysis (saponification), a number of different grades can be supplied. Our PVOH types are offered in a high standard purity showing especially "low ash and VOC contents". Modification of emulsion adhesives, production of paper adhesives and remoistenable adhesives. Protective colloid in emulsion polymerisation and raw material for the production of sizes and textile finishes. Binder in the surface finishing of paper. Also for regulating the processing characteristics of all types of coatings.

General Information			
Features	Barrier Resin		
	Biodegradable		
	Good Adhesion		
	Good Colorability		
	Water Soluble		
Uses	Adhesives		
	Binder		
	Building Materials		
	Coating Applications		
	Film		
	Foil Coatings		
	Paper Coatings		
	Textile Applications		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Solution Viscosity ¹	4 to 5	mPa · s	JIS K6726
Ash Content ²	< 0.40	%	
pH ³	4.5 to 7.0		
Volatile Matter	< 5.0	%	
Degree of Hydrolysis ⁴	80 to 83	%	
Methanol Extractables	< 3.0	%	
NOTE			
1.	4 % aqueous solution at 20 °C, determined by Brookfield synchronised-motor rotary-type viscometer		
2.	Calculated as Na2O		
3.	4 % solution in distilled water		

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