

# Mowiol® 47-88

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".

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
Apparent Density	0.40 to 0.60	g/cm <sup>3</sup>	DIN 53466
Solution Viscosity <sup>1</sup>	45 to 49	mPa · s	DIN 53015
Ash Content <sup>2</sup>	< 0.50	%	
Ester Content	130 to 150	mg KOH/g	DIN 53401
pH <sup>3</sup>	4.5 to 7.0		DIN 19261
Degree of Hydrolysis <sup>4</sup>	87 to 89	%	
Methanol Extractables	< 3.0	%	
Non-Volatile Content <sup>5</sup>	95	%	DIN 53189
Residual Acetyl Content	10 to 12	%	
NOTE			
1.	4 % aqueous solution at 20 °C		
2.	Calculated as Na <sub>2</sub> O		
3.	4 % solution in distilled water		
4.	Saponification		

5.

After 3 hours' drying at 105 °C

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

