

Selvol™ E 325

Polyvinyl Alcohol

Sekisui Chemical Company, Ltd.

Message:

SELVOL™ E 325 is a medium viscosity fully hydrolysed polyvinyl alcohol which finds applications principally in the Adhesives, Paper and Textile industries.

Adhesives: Water resistant / board laminating, winding, sealing.

Paper: Surface sizing ; Pigment coating ; Release paper ; Thermal paper ; Antigrease treatment.

Textiles: Cotton yarn sizing ; Spun yarn sizing / Rayon ; Finishing ; Non wovens.

Others: Ceramics binder and coating ; Temporary binder / powders ; PVB production ; Water soluble films

General Information			
Features	Medium Viscosity		
Uses	Adhesives		
	Textile Applications		
Agency Ratings	BfR Food Contact, Unspecified Rating		
	FDA Unspecified Rating		
Appearance	Off-White		
	White		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Density	1.27 to 1.31	g/cm ³	
Ash Content - Expressed as Sodium Oxide	< 1.2	wt%	Internal Method
pH - Of a 4% aqueous solution ¹	5.0 to 7.0		Internal Method
Viscosity - Of a 4% aqueous solution at 20°C ²	28 to 32	mPa · s	Brookfield
VOC Content	< 1.0	wt%	Internal Method
Refractive Index - nD ²⁰ °C	1.5200 to 1.5500		
Degree of Hydrolysis	98.0 to 98.8	mol%	Internal Method
Light Stability	Excellent		
Methanol Content	< 0.9	wt%	Internal Method
Volatiles	< 5.0	wt%	Internal Method
Thermal	Nominal Value	Unit	
Glass Transition Temperature	85.0	°C	
Melting Temperature	230	°C	
CLTE - Flow (0 to 45°C)	7.0E-5 to 1.0E-4	cm/cm/°C	
Specific Heat	1650 to 1670	J/kg/°C	
Thermal Conductivity	2.0	W/m/K	
Electrical	Nominal Value	Unit	
Volume Resistivity	3.1E+7 to 3.8E+7	ohms · cm	

NOTE

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| 1. | International Reference: ISO 976 |
| 2. | International Reference: ISO 2555 |

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