

Selvol™ E 523

Polyvinyl Alcohol
Sekisui Chemical Company, Ltd.

Message:

SELVOL™ E 523 is a medium viscosity partially hydrolysed polyvinyl alcohol which finds applications principally in the Adhesives, Paper and Textile industries.

Adhesives: PVAc emulsions for wood,paper, packaging and building ; Remoistenables.

Paper: Surface sizing; Antigrease treatment.

Textiles: Spun yarn sizing / Synthetic; Filament yarn sizing; Finishing; Printing.

Others: Cement mortars (fine powder product); Gypsum boards (fine powder product); Ceramics binder and coating; Protective strip coatings; Mould release polyester / silicone; PVC Polymerisation; 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	< 0.5	wt%	Internal Method
pH - Of a 4% aqueous solution ¹	4.5 to 6.5		Internal Method
Viscosity - Of a 4% aqueous solution at 20°C ²	23 to 27	mPa · s	Brookfield
VOC Content	< 1.0	wt%	Internal Method
Refractive Index - nD ²⁰ °C	1.5200 to 1.5500		
Degree of Hydrolysis	87.0 to 89.0	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	58.0	°C	
Melting Temperature	180	°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		
1.	International Reference: ISO 976	
2.	International Reference: ISO 2555	

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