

Selvol™ E 203

Polyvinyl Alcohol
Sekisui Chemical Company, Ltd.

Message:

SELVOL™ E 203 is a low 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: Pigment coating ; Carbonless paper ; Thermal paper.
Textiles: Spun yarn sizing / Synthetic ; Filament yarn sizing ; Printing ; Non wovens.
Others: Cement mortars (fine powder product) ; Gypsum boards (fine powder product) ; Ceramics binder and coating; Microencapsulation ; Protective strip coatings ; Mould release polyester / silicone ; Temporary binder / powders.

| General Information | | | |
|---|--------------------------------------|----------|-----------------|
| Features | Low Viscosity | | |
| Uses | Adhesives | | |
| | Textile Applications | | |
| Agency Ratings | BfR Food Contact, Unspecified Rating | | |
| | FDA Unspecified Rating | | |
| Appearance | Off-White | | |
| Forms | Granules | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.27 to 1.31 | g/cm³ | |
| Ash Content - Expressed as Sodium Oxide | < 0.9 | 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 | 4 to 5 | 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 | | | |

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

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