

Polyvinyl chloride VINISOL OH

Description:

Vinisol OH is a vinyl chloride, vinyl acetate and hidroxy propil acrylate terpolymer resin. Vinisol OH is used in applications that require excellent solubility and with hydroxyl functionality ("OH" groups). The presence of hydroxyl groups offers increased compatibility with several other types of polymers, including certain alkyd resins and some types of polyurethanes. The presence of the hydroxyl group in the molecule allows "crosslinking" in systems ("bi-component") that require excellent adhesion, flexibility, hardness and chemical resistance. Paints prepared with this resin show good adhesion to wood, paper and plastic.

Applications:

- Paints for polyurethane (PU) footwear
- Printing inks for packaging
- Anticorrosive paints
- Paints with high chemical resistance
- Printing inks for leather, paper and plastics
- Wood paints of "primer/sealer" type for furniture
- Paints for automotive plastic parts

Technical Specifications:

| | Value | Unit | Test Method |
|---|-------------|------|---------------|
| Volatile Content | max. 2,00 | % | JIS K-6721 |
| Vinyl Acetate Content | 11,0 ± 1,0 | % | ISO 1159-78F |
| Vinyl Chloride Content | 81,0 ± 2,0 | % | - |
| Hydroxy Propyl Acrylate Content | 8,0 ± 1,0 | % | - |
| Insoluble Matter (Hegman) | min. 2,0 | - | NBR 7135 |
| Brookfield Viscosity in MIBK (1) | max. 300 | cP | ASTM D-1824 |
| Brookfield Viscosity in Ethyl Acetate (2) | max. 500 | cP | ASTM D-1824 |
| Film Appearance (3) | Transparent | - | IT-0602-00499 |

(1) Brookfield Viscosimeter - 20 rpm, no aging, RVTD model, spindle # 3, temperature 25° C, 20% solution in MIBK - Methyl Iso Butyl Ketone, heated during preparation @ 55°C for 30 minutes. (2) Brookfield Viscosimeter - 20 rpm, no aging, RVTD model, spindle # 3, temperature 25° C, 20% solution in MIBK - Methyl Iso Butyl Ketone, heated during preparation @ 55°C for 30 minutes. (3) 20% solution in MIBK - Methyl Iso Butyl Ketone, heated during preparation @ 55°C for 30 minutes, spread on a glass plate.

Packaging and Storage:

Vinisol OH is supplied in multi-ply paper bags of 22.7 kg (50 lbs). The bag must be stored at temperatures under 35°C, protected from moisture and direct sunlight, and kept on pallets to avoid direct contact with the floor.

Shelf Life:

Three years under recommended storage conditions.

Precautions and Safety:

Please refer to the MSDS (Material Safety Data Sheet), available at www.braskem.com.br.

Final Comments:

The data and information contained in this data sheet information represent our current knowledge stage, and serve only as a guide for product applications. In case of doubts about specific applications, please contact our technical service department on e-mail pvc@braskem.com.br.