Weatherable coating resin
ZEFFLE GK-580

A solvent based paint resin with excellent weather, chemical, and stain resistance. GK-580 is a paint resin with mild solvent that makes paints suitable for field application.

Outline
- ZEFFLE GK-580 is a copolymer of tetrafluoroethylene and vinyl monomer.
  It does not include chlorine which may cause yellowing.
- Excellent weather resistance, corrosion protection, chemical resistance, and dirt removability.
- Gloss and color can be controlled easily.
- Variety of substrate can be chosen because of lower curing temperature.
  Even ambient temperature can be taken by selecting curing agent.
- Isocyanate and melamine can be used as curing agent.
- Compatible with acrylic resin.
- Can be formulated to be painted by spray, brush, roller, etc.
- Mineral spirits are considered to contribute lowering photochemical oxidant and the risk of harmful chemical substance even with the same amount of VOC.

Property

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Figure</th>
<th>Testing method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>-</td>
<td>Light yellow clear liquid</td>
<td>Visual</td>
</tr>
<tr>
<td>Solid content mass%</td>
<td>50</td>
<td></td>
<td>Dried by 170℃ for 2 hour</td>
</tr>
<tr>
<td>Viscosity mPa ・ s</td>
<td>350</td>
<td></td>
<td>B type rotational viscometer (25℃)</td>
</tr>
<tr>
<td>Solvent composition mass%</td>
<td>Mineral spirits ≥ 97</td>
<td>Gas chromatographic method</td>
<td></td>
</tr>
<tr>
<td>Hydroxyl value mgKOH/g</td>
<td>42</td>
<td></td>
<td>Theoretical calculation</td>
</tr>
<tr>
<td>Acid value mgKOH/g</td>
<td>0</td>
<td></td>
<td>Potentiometric titration method</td>
</tr>
</tbody>
</table>

*Above are representative figures but not guaranteed.

Handling / Safety information
- Please read Safety Data Sheet and the precautionary statement on the package before using.
- This product is for general industry but is not guaranteed for suitability and safety as raw materials of medical applications.
Package size
- 1Kg, 18Kg, 180Kg

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https://www.daikinchemicals.com/

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