OxyVinyls® 255

General Description
Type: Polyvinyl Chloride Homopolymer
Polymerization Process: Suspension
Appearance: White, free flowing powder

Features and Uses:
- Medical and Food Grade Flexible Film and Sheet
- Medical and Food Grade Tubing and Molded Devices
- Automotive Molding and Profile Applications
- Low Gels and Contamination
- Uniform Plasticizer Absorption
- Wire and Cable Insulation

Resin Properties

<table>
<thead>
<tr>
<th>Specification</th>
<th>Range</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inherent Viscosity (dl/g)</td>
<td>1.10 – 1.15</td>
<td>OxyVinyls 1386</td>
</tr>
<tr>
<td>Relative Viscosity</td>
<td>2.51 – 2.61</td>
<td>Correlation</td>
</tr>
<tr>
<td>K Value</td>
<td>72 – 74</td>
<td>Correlation</td>
</tr>
<tr>
<td>Volatiles (%)</td>
<td>0.3 Max.</td>
<td>OxyVinyls 1242</td>
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</tbody>
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Malvern Particle Size
- % Retained on 40 mesh: 0.2 Max.
- % Retained on 60 mesh: 2.0 Max.
- % Retained on 200 mesh: 12.0 Max.
- % Retained on Pan: 2.0 Max.
- Contamination (#/100gm): 15 Max.
- Residual Monomer (ppm): 4.0 Max.
- Powder Mix Time (s): 275 – 390
- Gels (5’ mill results): 15 Max.
- Apparent Bulk Density (g/cc): 0.440 – 0.520
- Flow Time (s): 12 Max.
- Color (CIELab b* -value): 0.25 – 1.40

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