Vydyne® 63A
polyamide 66

Vydyne 63A is a medium-viscosity resin used for injection-molding and extrusion-compounding. It is desirable to include this neat resin in a formulation in which the melt strength of the final product is critical for the application. Vydyne 63A exhibits good initial color and it has a moisture level below 0.1%. This product offers high strength, rigidity and toughness over a broad range of demanding applications. Resistance of Vydyne 63A to heat, oil and wear is typical of PA66 neat resins.

### General

<table>
<thead>
<tr>
<th>Material Status</th>
<th>Commercial: Active</th>
</tr>
</thead>
</table>

### Availability

- Asia Pacific
- Europe
- North America

### Features

- Chemical Resistant
- Gasoline Resistant
- General Purpose
- Good Color Stability
- Good Melt Strength
- Medium Viscosity
- Oil Resistant
- Solvent Resistant

### Uses

- Compounding

### Agency Ratings

- ASTM D4066 PA0112
- ASTM D6779 PA0112
- EC 1935/2004
- EU 10/2011
- EU 2023/2006
- FDA 21 CFR 177.1500

### RoHS Compliance

- RoHS Compliant

### Appearance

- Natural Color

### Forms

- Pellets

### Processing Method

- Compounding

### Physical

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>1.14</td>
<td>g/cm³</td>
<td>ISO 1183</td>
</tr>
<tr>
<td>Viscosity Number (H2SO4 (Sulphuric Acid))</td>
<td>183 to 200</td>
<td>cm³/g</td>
<td>ISO 307</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>674</td>
<td>g/l</td>
<td>ASTM D1895</td>
</tr>
<tr>
<td>Moisture Content</td>
<td>0.10</td>
<td>%</td>
<td>ASTM D6869</td>
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<tr>
<td>Relative Viscosity</td>
<td>75.0 to 90.0</td>
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<td></td>
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</table>

### Thermal

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Temperature</td>
<td>260</td>
<td>°C</td>
<td>ISO 11357-3</td>
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</table>

### Optical

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Unit</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellowness Index</td>
<td>2.0</td>
<td>YI</td>
<td>ASTM D1925</td>
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</tbody>
</table>

Notes

Typical properties: these are not to be construed as specifications.

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2 Formic acid

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