Vydyne® 65B polyamide 66

Vydyne 65B is a medium-high-viscosity resin used for 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 65B exhibits good initial color and it has a moisture level below 0.1%. Resistance of Vydyne 65B 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>
<tbody>
<tr>
<td>Availability</td>
<td>Asia Pacific</td>
</tr>
<tr>
<td></td>
<td>Europe</td>
</tr>
<tr>
<td></td>
<td>North America</td>
</tr>
<tr>
<td>Features</td>
<td>Chemical Resistant</td>
</tr>
<tr>
<td></td>
<td>Gasoline Resistant</td>
</tr>
<tr>
<td></td>
<td>General Purpose</td>
</tr>
<tr>
<td></td>
<td>Good Color Stability</td>
</tr>
<tr>
<td></td>
<td>Medium-high Viscosity</td>
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<tr>
<td></td>
<td>Oil Resistant</td>
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<tr>
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<td>Solvent Resistant</td>
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</tbody>
</table>

### Uses

- Compounding

### Agency Ratings

- ASTM D4066 PA0113
- ASTM D6779 PA0113
- EC 1935/2004
- EU 10/2011
- EU 2023/2006
- FDA 21 CFR 177.1500
- FED L-P-410A
- MIL M-20693B

### 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 (\text{H}_2\text{SO}_4) (Sulphuric Acid))</td>
<td>223 to 242</td>
<td>cm³/g</td>
<td>ISO 307</td>
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<tr>
<td>Bulk Density</td>
<td>674</td>
<td>g/l</td>
<td>ASTM D1895</td>
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<tr>
<td>Moisture Content</td>
<td>0.10</td>
<td>%</td>
<td>ASTM D6869</td>
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<tr>
<td>Relative Viscosity (^2)</td>
<td>117 to 145</td>
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<td>ASTM D789</td>
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</table>

### Thermal

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Nominal Value</th>
<th>Unit</th>
<th>Test Method</th>
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<tbody>
<tr>
<td>Yellowness Index</td>
<td>4.0</td>
<td>YI</td>
<td>ASTM D1925</td>
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</table>

Notes

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

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

2 Formic acid

<table>
<thead>
<tr>
<th></th>
<th>North America</th>
<th>Europe</th>
<th>Asia</th>
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<tbody>
<tr>
<td></td>
<td>+1 888 927 2363</td>
<td>+32 10 608 600</td>
<td>+86 21 2315 0888</td>
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