

Vydyne® 65B

Polyamide 66

Ascend Performance Materials Operations LLC

Message:

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 Information | |
|---------------------|------------------------------|
| Features | Solvent resistance |
| | Good color stability |
| | Good chemical resistance |
| | Gasoline resistance |
| | Oil resistance |
| | General |
| Uses | Composite |
| | General |
| Agency Ratings | ASTM D 4066 PA0111 |
| | ASTM D 6779 PA0111 |
| | EC 1935/2004 |
| | EU 2023/2006 |
| | FDA 21 CFR 177.1500 |
| | Europe 10/1/2011 12:00:00 AM |
| RoHS Compliance | RoHS compliance |
| Appearance | Natural color |
| Forms | Particle |
| Processing Method | Composite |
| | Compound extrusion |

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|--------------------|-------------|
| Density | 1.14 | g/cm ³ | ISO 1183 |
| Viscosity Number (H2SO4 (Sulphuric Acid)) | 223 - 242 | cm ³ /g | ISO 307 |
| Moisture Content | 0.10 | % | ASTM D6869 |
| Volume density | 674 | g/l | ASTM D1895 |
| Relative Viscosity ¹ | 117 - 145 | | ASTM D789 |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature | 260 | °C | ISO 11357-3 |
| Optical | Nominal Value | Unit | Test Method |

| | | | |
|------------------|-----|----|------------|
| Yellowness Index | 4.0 | YI | ASTM D1925 |
| NOTE | | | |

1. Formic acid

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