

**Product Texts**

Vydyne R433H NT0773 is general-purpose, heat-stabilized, impact-modified, 33% glass-fiber reinforced PA66 resin. It is specifically designed to maximize toughness, while retaining physical properties. This product is also lubricated for improved flow and offers superior surface appearance.

| Processing/Physical Characteristics        | dry / cond | Unit | Test Standard   |
|--|------------|------|-----------------|
| <b>ISO Data</b>                            |            |      |                 |
| <sup>[C]</sup> Molding shrinkage, parallel | 0.2 / *    | %    | ISO 294-4, 2577 |
| <sup>[C]</sup> Molding shrinkage, normal   | 1.0 / *    | %    | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties                                | dry / cond  | Unit              | Test Standard |
|--|-------------|-------------------|---------------|
| <b>ISO Data</b>                                      |             |                   |               |
| <sup>[C]</sup> Tensile Modulus                       | 9400 / 6900 | MPa               | ISO 527       |
| <sup>[C]</sup> Stress at break                       | 155 / 113   | MPa               | ISO 527       |
| <sup>[C]</sup> Strain at break                       | 4 / 6.4     | %                 | ISO 527       |
| <sup>[C]</sup> Charpy impact strength, +23°C         | 99 / 110    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy impact strength, -30°C         | 110 / 100   | kJ/m <sup>2</sup> | ISO 179/1eU   |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | 25 / 31     | kJ/m <sup>2</sup> | ISO 179/1eA   |
| <sup>[C]</sup> Charpy notched impact strength, -30°C | 19 / 18     | kJ/m <sup>2</sup> | ISO 179/1eA   |

[C]: CAMPUS

| Thermal properties   | dry / cond | Unit  | Test Standard  |
|--|------------|-------|----------------|
| <b>ISO Data</b>  |            |       |                |
| <sup>[C]</sup> Melting temperature, 10°C/min               | 260 / *    | °C    | ISO 11357-1/-3 |
| <sup>[C]</sup> Temp. of deflection under load, 1.80 MPa    | 246 / *    | °C    | ISO 75-1/-2    |
| <sup>[C]</sup> Temp. of deflection under load, 0.45 MPa    | 259 / *    | °C    | ISO 75-1/-2    |
| <sup>[C]</sup> Coeff. of linear therm. expansion, parallel | 16 / *     | E-6/K | ISO 11359-1/-2 |
| <sup>[C]</sup> Coeff. of linear therm. expansion, normal   | 11 / *     | E-6/K | ISO 11359-1/-2 |

[C]: CAMPUS

| Other properties                   | dry / cond | Unit              | Test Standard  |
|------------------------------------|------------|-------------------|----------------|
| <sup>[C]</sup> Water absorption    | 1 / *      | %                 | Sim. to ISO 62 |
| <sup>[C]</sup> Humidity absorption | 1.3 / *    | %                 | Sim. to ISO 62 |
| <sup>[C]</sup> Density             | 1350 / -   | kg/m <sup>3</sup> | ISO 1183       |

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Pellets, Natural Color

**Additives**

Lubricants

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat

**Applications**

General Purpose

**Regional Availability**

North America, Europe, Asia Pacific