

Product Texts

Vydyne B 45 GF BK EST KW2 is standard flow, organic heat stabilized, 45% glass-fiber reinforced PA6 resin. Available in black, this product is also lubricated for improved machine feed and flow.

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|------------|------|-----------------|
| ISO Data | | | |
| ^[C] Molding shrinkage, parallel | 0.2 / * | % | ISO 294-4, 2577 |
| ^[C] Molding shrinkage, normal | 0.7 / * | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | dry / cond | Unit | Test Standard |
|--------------------------------|---------------|------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 14000 / 10000 | MPa | ISO 527 |
| ^[C] Stress at break | 210 / 145 | MPa | ISO 527 |
| ^[C] Strain at break | 2.6 / 5.8 | % | ISO 527 |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|---|------------|-------|-----------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 220 / * | °C | ISO 11357-1/-3 |
| ^[C] Temp. of deflection under load, 1.80 MPa | 215 / * | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 220 / * | °C | ISO 75-1/-2 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|------------------------------------|------------|-------------------|----------------|
| ^[C] Humidity absorption | 1.7 / * | % | Sim. to ISO 62 |
| ^[C] Density | 1510 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific