# TECHNYL 4EARTH A1E 218 V30 BK H

PA66-GF30 DOMO Engineering Plastics

## Product Texts

Polyamide 66, reinforced with 30% of glass fiber, heat stabilized, for injection moulding, black

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Molding shrinkage, parallel | **0.4 / *** | % | ISO 294-4, 2577 |
| [C] Molding shrinkage, normal | **1.1 / *** | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Tensile Modulus | **10000 / 6850** | MPa | ISO 527 |
| [C] Stress at break | **180 / 115** | MPa | ISO 527 |
| [C] Strain at break | **3.2 / 7** | % | ISO 527 |
| Flexural modulus, 23°C | **8800 / -** | MPa | ISO 178 |
| Flexural strength | **280 / -** | MPa | ISO 178 |
| [C] Charpy impact strength, +23°C | **75 / 85** | kJ/m² | ISO 179/1eU |
| [C] Charpy impact strength, -30°C | **66 / -** | kJ/m² | ISO 179/1eU |
| [C] Charpy notched impact strength, +23°C | **10 / 14** | kJ/m² | ISO 179/1eA |
| [C] Charpy notched impact strength, -30°C | **7.6 / -** | kJ/m² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Melting temperature, 10°C/min | **262 / *** | °C | ISO 11357-1/-3 |
| [C] Temp. of deflection under load, 1.80 MPa | **248 / *** | °C | ISO 75-1/-2 |
| [C] Temp. of deflection under load, 0.45 MPa | **260 / *** | °C | ISO 75-1/-2 |
| Yellow Card available | **yes / *** | - | - |
| [C] Burning Behav. at thickness h | **HB / *** | class | IEC 60695-11-10 |
| Thickness tested | **0.8 / *** | mm | - |
| Yellow Card available | **yes / *** | - | - |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| [C] Density | **1360 / -** | kg/m³ | ISO 1183 |

[C]: CAMPUS

## Characteristics

**Processing**
Injection Molding

**Delivery form**
Black

**Special Characteristics**
Heat stabilized or stable to heat

**Certifications**
Recycled Resin Content

**Applications**
Automotive