

Akulon® Diablo HT-HGo

(PA66+PA6)-GF50

50% Glass Reinforced, Heat Stabilized

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| Properties | Typical Data | Unit | Test Method |
|---|---------------|-------------------|-------------------|
| Rheological properties dry / cond | | | |
| Molding shrinkage [parallel] | 0.37 / * | % | Sim. to ISO 294-4 |
| Molding shrinkage [normal] | 0.56 / * | % | Sim. to ISO 294-4 |
| Mechanical properties dry / cond | | | |
| Tensile modulus | 17000 / 10000 | MPa | ISO 527-1/-2 |
| Stress at break | 230 / 145 | MPa | ISO 527-1/-2 |
| Strain at break | 2.4 / 4.6 | % | ISO 527-1/-2 |
| Charpy impact strength (+23°C) | 95 / 100 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength (-30°C) | 80 / 90 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 14 / - | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength (-30°C) | 12 / - | kJ/m ² | ISO 179/1eA |
| Thermal properties dry / cond | | | |
| Melting temperature (10°C/min) | 260 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 245 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load (0.45 MPa) | 255 / * | °C | ISO 75-1/-2 |
| Other properties dry / cond | | | |
| Water absorption | 4.8 / * | % | Sim. to ISO 62 |
| Humidity absorption | 1.7 / * | % | Sim. to ISO 62 |
| Density | 1580 / - | kg/m ³ | ISO 1183 |

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