

D222-G35

PA6-GX35

Wellman Advanced Materials

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 11000 | MPa | ISO 527 |
| Strain at break | 3 | % | ISO 527 |
| Flexural modulus, 23°C | 9800 | MPa | ISO 178 |
| Flexural strength | 295 | MPa | ISO 178 |

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 262 | °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 | 250 | °C | ISO 75-1/-2 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1410 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 110 - 130 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.1 | % | - |
| Mold temperature | 110 - 130 | °C | - |
| Injection pressure | 40 - 110 | MPa | - |
| Back pressure | 0 - 5 | MPa | - |

Characteristics**Processing**

Injection Molding

Applications

Automotive, Electrical and Electronical

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America, Asia Pacific