

Staramide BG6ST43

PA6-GF

Eurostar Engineering Plastics

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 6200 | MPa | ISO 527 |
| Stress at break | 95 | MPa | ISO 527 |
| Strain at break | 6 | % | ISO 527 |
| Charpy impact strength, +23°C | 100 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 100 | kJ/m ² | ISO 179/1eU |
| Izod notched impact strength, +23°C | 24 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength | 19 | kJ/m ² | ISO 180/1A |
| Temperature | -40 | °C | - |

| Thermal properties | Value | Unit | Test Standard |
|---|--------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 175 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 200 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 29 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 89 | E-6/K | ISO 11359-1/-2 |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 1.6 | mm | - |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Water absorption | 4.5 | % | Sim. to ISO 62 |
| Density | 1300 | kg/m ³ | ISO 1183 |

Characteristics**Processing**

Injection Molding, Other Extrusion

Special Characteristics

High impact or impact modified

Delivery form

Pellets

Features

Low Odor