

SKYPLETE GE600

PETG

SK Chemicals

Product Texts

SK Chemicals has developed SKYPLETE GE600 which offers excellent properties for 3D printing filaments.
Processing temperature (app. 205° C).

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|---------------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.0035 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|--------------|-------------------|---------------|
| ISO Data | | | |
| Yield stress | 49 | MPa | ISO 527 |
| Yield strain | 4.1 | % | ISO 527 |
| Stress at break | 23 | MPa | ISO 527 |
| Strain at break | 40 | % | ISO 527 |
| Flexural modulus, 23°C | 1890 | MPa | ISO 178 |
| Flexural strength | 67 | MPa | ISO 178 |
| Izod notched impact strength, +23°C | 7 | kJ/m ² | ISO 180/1A |
| ASTM Data | | | |
| Rockwell Hardness | R 105 | - | ASTM D 785 |

| Thermal properties | Value | Unit | Test Standard |
|--|-----------|------|---------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 62 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 72 | °C | ISO 75-1/-2 |

| Optical properties | Value | Unit | Test Standard |
|---------------------|-----------|------|---------------|
| ASTM Data | | | |
| Haze | 1 | % | ASTM D 1003 |
| Light Transmittance | 90 | % | ASTM D 1003 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1270 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Additive Manufacturing

Special Characteristics

Transparent

Applications

Filament for 3D Printing

Regional Availability

North America, Europe, Asia Pacific, South and Central America