

Solaplast 1111

PP...

ALGIX, LLC.

Product Texts

The Solaplast 1000 series resins are algae-blended resins using a polyolefin base resin.

Processing/Physical Characteristics

| | Value | Unit | Test Standard |
|----------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 8.7 | g/10min | ASTM D 1238 |

Mechanical properties

| | Value | Unit | Test Standard |
|-------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 1142 | MPa | ASTM D 638 |
| Tensile Strength | 20.8 | MPa | ASTM D 638 |
| Flexural Modulus | 2151 | MPa | ASTM D 790 |
| Flexural Strength | 46.2 | MPa | ASTM D 790 |

Thermal properties

| | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| ASTM Data | | | |
| Melting Temperature | 120 | °C | ASTM D 3418 |

Other properties

| | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Biobased content | 40 | % | - |
| Density | 1120 | kg/m ³ | ASTM D 792 |

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Pellets

Additives

Plasticizer

Features

Homopolymer

Certifications

Contains renewable resources

Regional Availability

North America, South and Central America