

## Solplast TH 50A9000 B1 TPS

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| Rheological properties | Value | Unit    | Test Standard |
|------------------------|-------|---------|---------------|
| <b>ISO Data</b>        |       |         |               |
| Melt Flow Index, MFI   | 13    | g/10min | ISO 1133      |
| MFI temperature        | 190   | °C      | -             |
| MFI load               | 5     | kg      | -             |

| Mechanical Properties                        | Value | Unit | Test Standard |
|----------------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                              |       |      |               |
| Compression Set under constant strain, 23°C  | 16    | %    | ISO 815       |
| Compression Set under constant strain, 70°C  | 28    | %    | ISO 815       |
| Compression Set under constant strain, 100°C | 46    | %    | ISO 815       |
| Tear strength                                | 18    | kN/m | ISO 34-1      |
| Shore Hardness A (15s)                       | 50    | -    | ISO 868       |
| Tensile Strength                             | 8     | MPa  | ISO 37        |
| Strain at Break                              | 950   | %    | ISO 37        |

| Other Properties | Value | Unit  | Test Standard |
|------------------|-------|-------|---------------|
| <b>ISO Data</b>  |       |       |               |
| Density          | 900   | kg/m³ | ISO 1183      |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Melt temperature                            | 170 - 230 | °C   | -             |
| Mold temperature                            | 30 - 40   | °C   | -             |

### Characteristics

#### Processing

Injection Molding

#### Features

Copolymer

#### Special Characteristics

UV stablized