

**Y101**

PP

Sumitomo Chemical Co., Ltd.

| Processing/Physical Characteristics                | Value     | Unit              | Test Standard |
|--|-----------|-------------------|---------------|
| <b>ASTM Data</b>                                   |           |                   |               |
| Melt Flow Index, MFI                               | 15        | g/10min           | ASTM D 1238   |
| Temperature  | 230       | °C                | -             |
| Load   | 2.16      | kg                | -             |
| <b>Mechanical properties</b>                       |           |                   |               |
| <b>ASTM Data</b>                                   |           |                   |               |
| Tensile Strength at Yield                          | 34        | MPa               | ASTM D 638    |
| Tensile Strength at Break                          | 28        | MPa               | ASTM D 638    |
| Flexural Modulus                                   | 1700      | MPa               | ASTM D 790    |
| Rockwell Hardness                                  | R 105     | -                 | ASTM D 785    |
| <b>Thermal properties</b>                          |           |                   |               |
| <b>ASTM Data</b>                                   |           |                   |               |
| UL 94 Flame rating                                 | HB        | -                 | UL 94         |
| DTUL @ 66 psi                                      | 116       | °C                | ASTM D 648    |
| Vicat Temperature                                  | 158       | °C                | ASTM D 1525   |
| <b>Other properties</b>                            |           |                   |               |
| Density  | 900       | kg/m <sup>3</sup> | ASTM D 792    |
| <b>Processing Recommendation Injection Molding</b> |           |                   |               |
| Melt temperature                                   | 160 - 240 | °C                | -             |

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Homopolymer

**Certifications**

Food contact, Food approval 1935/2004/EC, Food approval 10/2011, Food approval FDA 21 CFR

**Applications**

General Purpose

**Regional Availability**

North America, Europe, Asia Pacific