

**HOPELEN SJ-170M**

PP

Lotte Chemical Corporation

| Processing/Physical Characteristics  | Value | Unit              | Test Standard |
|--------------------------------------|-------|-------------------|---------------|
| <b>ASTM Data</b>                     |       |                   |               |
| Melt Flow Index, MFI                 | 26    | g/10min           | ASTM D 1238   |
| <b>Mechanical properties</b>         |       |                   |               |
| <b>ASTM Data</b>                     |       |                   |               |
| Tensile Strength at Yield            | 36    | MPa               | ASTM D 638    |
| Elongation at Break                  | 100   | %                 | ASTM D 638    |
| Flexural Modulus                     | 1760  | MPa               | ASTM D 790    |
| Izod Impact notched, 1/8 in          | 30    | J/m               | ASTM D 256    |
| Izod Impact notched, Low-Temperature | 20    | J/m               | ASTM D 256    |
| Temperature                          | -10   | °C                | -             |
| <b>Thermal properties</b>            |       |                   |               |
| <b>ASTM Data</b>                     |       |                   |               |
| DTUL @ 66 psi                        | 115   | °C                | ASTM D 648    |
| <b>Other properties</b>              |       |                   |               |
| Density                              | 900   | kg/m <sup>3</sup> | ASTM D 792    |

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Transparent, Sterilizable, Gamma irradiation sterilization

**Features**

Thermal Stability, Homopolymer

**Chemical Resistance**

Radiation Resistance

**Certifications**

Medical Grade, US Pharmacopeia Class VI Approved

**Applications**

General Purpose, Medical

**Regional Availability**

North America, Europe, Asia Pacific