

TECHNICAL DATA SHEET

M106

M106 is a **Polypropylene Homopolymer** produced by the **Spheripol Technology**

M106 combines easy processability with high strength

M106 is recommended for General Purpose Extrusion & Injection Molding

| Property | Test Method | Unit | Value |
|--|-------------|-------------------|-------|
| Melt Flow Index (2.16 kg & 230 ⁰ C) | ASTM D1238 | g/10 min | 6 |
| Density at 23 °C | ASTM D1505 | g/cm ³ | 0.90 |
| Tensile Strength at Yield | ASTM D638 | MPa | 30 |
| Tensile Elongation at Yield | | % | 7 |
| Flexural Modulus | ASTM D790 | MPa | 1300 |
| Izod Impact Strength (Notch, 23 °C) | ASTM D256 | J/m | 35 |
| Vicat Softening Point (10N) | ASTM D1525 | °C | 153 |
| Heat Deflection Temperature (0.46 N/m ²) | ASTM D648 | °C | 93 |

Suggested Processing Temperature

| | | |
|--------------------|----|-----------|
| Barrel Temperature | °C | 180 - 260 |
| Mold Temperature | °C | 30 - 40 |

* Halene P is the registered trademark of Polypropylene of HPL

Mechanical properties tested on Injection Molded Test Specimens

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