

TECHNICAL DATA SHEET

M110

M110 is a **Polypropylene Homopolymer**, produced by the **Spheripol Technology**

M110 combines exceptional processability with Low Cycle Time, High Gloss & Excellent Color

M110 is recommended for Injection Molded Furniture & Household items

| Property | Test Method | Unit | Value |
|--|-------------|-------------------|-------|
| Melt Flow Index (2.16 kg & 230 ⁰ C) | ASTM D1238 | g/10 min | 11 |
| Density at 23°C | ASTM D1505 | g/cm ³ | 0.90 |
| Tensile Strength at Yield | ASTM D638 | MPa | 34 |
| Tensile Elongation at Yield | | % | 9 |
| Flexural Modulus | ASTM D790 | MPa | 1400 |
| Izod Impact Strength (Notch, 23°C) | ASTM D256 | J/m | 30 |
| Vicat Softening Point (10N) | ASTM D1525 | ⁰ C | 154 |
| Heat Deflection Temperature (0.46 N/m ²) | ASTM D648 | ⁰ C | 99 |

Suggested Processing Temperature

| | | |
|--------------------|----------------|-----------|
| Barrel Temperature | ⁰ C | 180 – 280 |
| Mold Temperature | ⁰ 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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