

TECHNICAL DATA SHEET

F103

F103 is a **Polypropylene Homopolymer**, produced by **Spheripol Technology**

F103 is designed for stable extrusion on stenter lines with low water carryover & good thickness control

F103 has excellent Clarity, Gloss, Mechanical Strengths, Impact & Puncture Resistance

F103 is recommended for BOPP Films in Food Packaging, Lamination & Metallizable applications

| Property | Test Method | Unit | Value |
|--|-------------|-------------------|-------|
| Melt Flow Index (2.16 kg & 230 °C) | ASTM D1238 | g/10 min | 3 |
| Density at 23 °C | ASTM D1505 | g/cm ³ | 0.90 |
| Tensile Strength at Yield | ASTM D638 | MPa | 34 |
| Tensile Elongation at Yield | | % | 10 |
| Flexural Modulus | ASTM D790 | MPa | 1450 |
| Izod Impact Strength (Notch, 23 °C) | ASTM D256 | J/m | 40 |
| Vicat Softening Point (10N) | ASTM D1525 | °C | 152 |
| Heat Deflection Temperature (0.46 N/m ²) | ASTM D648 | °C | 95 |

Suggested Processing Temperature

| | | |
|------------------------|----|-----------|
| Barrel Temperature | °C | 230 - 280 |
| Water Bath Temperature | °C | 10 - 15 |

* Halene P is the registered trademark of Polypropylene of HPL

Mechanical properties tested on Injection Molded Test Specimens

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