

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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