

TECHNICAL DATA SHEET

M103

M103 is a **Polypropylene Homopolymer**, produced by the **Spheripol Technology**

M103 combines easy processability with high Strength

M103 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	3
Density at 23°C	ASTM D1505	g/cm ³	0.90
Tensile Strength at Yield	ASTM D638	MPa	32
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	⁰ C	153
Heat Deflection Temperature (0.46 N/m ²)	ASTM D648	⁰ C	93

Suggested Processing Temperature

Barrel Temperature	⁰ C	190 - 250
Mold Temperature	⁰ C	40 – 50

* Halene P is the registered trademark of Polypropylene of HPL

Mechanical properties tested on Injection Molded Test Specimens

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