

## TECHNICAL DATA SHEET

**M103**

Polypropylene Homopolymer

### Characteristics

**M103** is a **Polypropylene Homopolymer**, produced by the latest generation **Spheripol II Technology**. This homopolymer is primarily suitable for **Injection Molding Process**.

M103 combines **easy processability with high Strength**.

### Application

- **General Purpose Injection Molding**

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 <sup>0</sup> C)	ASTM D 1238	g/10 min	3
Density at 23°C	ASTM D 1505	g/cm <sup>3</sup>	0.90
Tensile Strength at Yield (50 mm/min)	ASTM D 638 (Type I - with Extensometer)	MPa	32
Tensile Elongation at Yield (50 mm/min)		%	7
Flexural Modulus	ASTM D 790A	MPa	1300
Notched Izod Impact Strength ( 23°C)	ASTM D 256A	J/m	35
Vicat Softening Point (10N)	ASTM D 1525	°C	153
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	°C	93

### Typical Processing Temperature

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

*Mechanical properties are tested on Injection Molded Test Specimens prepared as per ASTM D 4101*

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