

PROVISIONAL DATA SHEET

T103

Polypropylene Homopolymer

Characteristics

T103 is a **Polypropylene Homopolymer**, produced by the latest generation **Spheripol Technology**. This homopolymer is primarily suitable for extrusion & **thermoforming process**.

T103 combines **exceptional processability with excellent Stiffness, Clarity & Gloss**.

Application

- Thermoforming Cups, Containers & other miscellaneous disposable items

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 ⁰ C)	ASTM D 1238	g/10 min	3
Density at 23°C	ASTM D 1505	g/cm ³	0.90
Tensile Strength at Yield	ASTM D 638 * (Type I - with Extensometer)	MPa	34
Tensile Elongation at Yield		%	8
Flexural Modulus	ASTM D 790	MPa	1700
Izod Impact Strength (Notch, 23°C)	ASTM D 256	J/m	40
Vicat Softening Point (10N)	ASTM D 1525	⁰ C	154
Heat Deflection Temperature (0.46 N/m ²)	ASTM D 648	⁰ C	95

Typical Processing Temperature for Extrusion

Barrel Temperature	⁰ C	190 - 230
Die Temperature	⁰ C	220 - 250

* Mechanical properties tested on Injection Molded Test Specimens (Type I)

The above typical properties are not to be construed as Specifications and may change without any prior notice. The User will solely be responsible for any intended process / product usage and HPL does not guarantee or undertake any responsibility for any consequential damage or loss based on the information given above.