

TECHNICAL DATA SHEET

T103

Polypropylene Homopolymer

Characteristics

T103 is a **Polypropylene Homopolymer**, produced by the latest generation **Spheripol II 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	3.3
Density at 23°C	ASTM D 1505	g/cm ³	0.90
Tensile Strength at Yield (50 mm/min)	ASTM D 638 (Type I - with Extensometer)	MPa	37
Tensile Elongation at Yield (50 mm/min)		%	8
Flexural Modulus	ASTM D 790A	MPa	1700
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	45
Vicat Softening Point (10N)	ASTM D 1525	⁰ C	154
Heat Deflection Temperature (0.455 MPa)	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 are tested on Injection Molded Test Specimens prepared as per ASTM D 4101

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