

TECHNICAL DATA SHEET

R103

R103 is a **Polypropylene Homopolymer** produced by the **Spheripol Technology**

R103 combines exceptional processability with Low Water Carry Over, Excellent Strength & Color

R103 is recommended for Stretched Tape Raffia for Woven sacks, FIBC, Ropes & Yarns

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	34
Tensile Elongation at Yield		%	9
Flexural Modulus	ASTM D790	MPa	1450
Izod Impact Strength (Notch, 23°C)	ASTM D256	J/m	40
Vicat Softening Point (10N)	ASTM D1525	°C	153
Heat Deflection Temperature (0.46 N/m ²)	ASTM D648	°C	93

Suggested Processing Temperature

Barrel Temperature	°C	220 – 280
Die Temperature	°C	260 – 280
Quench Temperature	°C	30 – 40
Stretching Temperature	°C	~160 (Oven)

* Halene P is the registered trademark of Polypropylene of HPL

Mechanical properties tested on Injection Molded Test Specimens

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