

Product Texts

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.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	34	MPa	ASTM D 638
Elongation at Yield	9	%	ASTM D 638
Flexural Modulus	1450	MPa	ASTM D 790
Izod Impact notched, 1/8 in	40	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	93	°C	ASTM D 648
Vicat Temperature	153	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	900	kg/m ³	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Zone 1	220 - 280	°C	-
Nozzle temperature	260 - 280	°C	-

Characteristics**Processing**

Other Extrusion

Regional Availability

Asia Pacific

Features

Color Stability, Homopolymer