

Polypropylene

YARN

Density 0.903

Melt Index 3.8

Physical Properties	ASTM Test*	Metric Units
MFR (230°C/2.16 kg)	D1238	3.8 g/10 min
Density	D792	0.903 g/cm ³
Tensile yield strength @ 50 mm/min	D638	347 kg/cm ²
Tensile yield elongation	D638	13%
Flexural modulus (1% secant)@1.3 mm/min	D790A	13150 kg/cm ²
Notched Izod impact strength @23°C	D256	4.1 kg-cm/cm
Hardness, Rockwell	D785	R100
Deflection temperature @ 0.455MPa (4.64kg/cm ²)	D648	104°C
Vicat softening temperature	D1525B	152°C
Melting temperature DSC, 10 C/min, 2nd heat	D3418	163°C

* Polypropylene tested per ASTM D4101

CHARACTERISTIC

PP MI 3.8 is a polypropylene homopolymer for production of stretched tape (yarn or raffia). This grade uses Unipol polypropylene technology from Union Carbide Corporation.

ADVANTAGES

Excellent processability

High strength

Low water carryover

Compliance with FDA regulation 21CFR177.1520

Processing Temperature : Melt Temperature 230-250°C

Water Bath Temperature 27-35°C