

# Polypropylene

Homopolymer

Density 0.903

Melt Index 7.0

Physical Properties	ASTM Test*	Metric Units
MFR (230°C/2.16 kg)	D1238	7.0 g/10 min
Density	D792	0.903 g/cm <sup>3</sup>
Tensile yield strength @ 50 mm/min	D638	347 kg/cm <sup>2</sup>
Tensile yield elongation	D638	13%
Flexural modulus (1% secant) @ 1.3 mm/min	D790A	13050 kg/cm <sup>2</sup>
Notched Izod impact strength @23°C	D256	3.1 kg-cm/cm
Hardness, Rockwell	D785	R100
Deflection temperature @ 0.455 MPa(4.64kg/cm <sup>2</sup> )	D648	100°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 7.0 is a polypropylene homopolymer for production of cast film. This grade uses Unipol polypropylene technology from Union Carbide Corporation.

## ADVANTAGES

High strength

Excellent clarity

Good processability

Contains slip and anti-block additives

Compliance with FDA regulation 21CFR177.1520

Processing Temperature : Melt Temperature 240-260°C

Chill Roll Temperature 25-30°C