

# Polypropylene

## HOMOPOLYMER

Density 0.903

Melt Index 10

Physical Properties	Method	Unit Result
Density	ASTM D1505	0.903 g/cm <sup>3</sup>
MI (230°C/2.16 kg)	ASTM D1238	10 g/10min
Tensile yield strength at 50 mm/min	ASTM D638	347 kg/cm <sup>2</sup>
Tensile yield elongation	ASTM D638	13%
Flexural modulus (1% secant) @ 1.3 mm/min	ASTM D790A	13050 Kg/cm <sup>2</sup>
Notched Izod impact strength @ 23°C	ASTM D256	3.1 Kg.cm/cm
Hardness, Rockwell	ASTM D785	R100
Deflection temperature@0.455MPa(4.64kg/cm <sup>2</sup> )	ASTM D648	100°C
Vicat softening temperature	ASTM D1525B	152°C

\* Polypropylene tested per ASTM D4101

## CHARACTER

PP MI 10 IPP Film is a polypropylene homopolymer for production of tubular water quenched (IPP) film. This grade uses Unipol polypropylene technology from Union Carbide Corporation.

## ADVANTAGES

Excellent processability

High strength

Good optical properties

Contains medium slip and anti-block additives

Compliance with FDA regulation 21CFR177.1520

Processing temperature: Die temperature 200-220°C

Water bath temperature 25-30°C