

Polypropylene

BOPP FILM

Density 0.903

Melt Index 2.9

Physical Properties	ASTM Test*	Metric Units
MFR (230°C/2.16 kg)	D1238	2.90 g/10 min
Density	D792	0.903 g/cm ³
Tensile yield strength @ 50 mm/min	D638	357 kg/cm ²
Tensile yield elongation	D638	13%
Flexural modulus (1% secant)@1.3 mm/min	D790A	13050 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	161°C

* Polypropylene tested per ASTM D4101

CHARACTERISTIC

PP MI 2.9 is a polypropylene homopolymer for production of biaxially oriented (BOPP) film. This grade uses Unipol polypropylene technology from Union Carbide Corporation.

ADVANTAGES

High strength

High clarity

Good processability

Moderately broad molecular weight distribution (MWD)

Compliance with FDA regulation 21CFR177.1520

Processing temperature : Melt temperature 200-220°C

Water bath temperature 30-35°C

Chill roll temperature 20-25°C