

Polypropylene

THERMORFING

Density 0.903

Melt Index 2.0

Physical Properties	ASTM Test*	Metric Units
MFR (230°C/2.16 kg)	D1238	2.0 g/10 min
Density	D792	0.903 g/cm ³
Tensile yield strength @ 50 mm/min	D638	377 kg/cm ²
Tensile yield elongation	D638	14%
Flexural modulus (1% secant)@1.3 mm/min	D790A	13260 kg/cm ²
Notched Izod impact strength @23°C	D256	4.4 kg-cm/cm
Hardness, Rockwell	D785	R94
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 2.0 Thermorforming is a polypropylene homopolymer for sheet extrusion and thermoforming (SPPF) applications . This grade uses Unipol polypropylene technology from Union Carbide Corporation.

ADVANTAGES

Good clarity

Excellent stiffness

Excellent processability

Compliance with FDA regulation 21CFR177.1520

Processing temperature : Melt temperature 220-240°C

Chill roll temperature 25-40°C