

Polypropylene

INJECTION MOLDING

Density 0.9

Melt Index 5

Physical Properties	ASTM Test*	Metric Units
MFR (230°C/2.16 kg)	D1238	5 g/10 min
Density	D792	0.900 g/cm ³
Tensile yield strength @ 50 mm/min	D638	250 kg/cm ²
Tensile yield elongation	D638	12%
Flexural modulus (1% secant)@1.3 mm/min	D790A	10900 kg/cm ²
Notched Izod impact strength @23°C	D256	12 kg-cm/cm
Hardness, Rockwell	D785	R72
Deflection temperature@0.455MPa(4.64kg/cm ²)	D648	105°C
Vicat softening temperature	D1525B	148°C
Melting temperature DSC, 10 C/min, 2nd heat	D3418	163°C

* Polypropylene tested per ASTM D4101

CHARACTERISTIC

PP MI 5 Injection Molding is polypropylene block copolymer for furniture, houseware, pail for paint container, automotive, electrical and general purpose injection molding applications requiring good impact strength. This grade uses Unipol polypropylene technology from Union Carbide Corporation.

ADVANTAGES

Medium flow

High impact strength

Easy to process

Resistant to creep at elevated temperature

Compliance with FDA regulation 21CFR177.1520

Processing Temperature : Injection Temperature 220-240°C

Mold Temperature 30-40°C