

Mapolene PPC005 is a fractional melt flow, high impact copolymer polypropylene resin specially formulated to excel in extrusion processes. Typical applications include heavy gauge sheet for thermoformed containers, profile extrusions and compounding programs.

Mapolene PPC005

Polypropylene ~ Impact Copolymer
Sheet Extrusion / Film

Melt Flow 0.5
Izod No Break

| Properties ¹ | ASTM | Units | Value |
|--------------------------------------|------------|-------------------|----------|
| Melt Flow Rate (230°C/2.16 kg) | ASTM D1238 | g/10 min | 0.5 |
| Density | ASTM D1505 | g/cm ³ | .902 |
| Tensile Strength at Yield (2 in/min) | ASTM D638 | psi | 3750 |
| Flexural Modulus (1% Secant) | ASTM D790 | psi | 175,000 |
| Izod Impact, Notched @73° | ASTM D256 | ft-lb/in | No Break |
| Elongation at Yield | ASTM D638 | % | 11 |
| Heat Deflection Temperature @66 psi | ASTM D648 | °F | 176 |

This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

¹Properties will vary and are not to be used for specification purposes.