

TECHNICAL DATA SHEET

M304

Polypropylene Impact Copolymer

Characteristics

M304 is a **Heterophasic Polypropylene Impact Copolymer (PPiCP)**, produced by the latest generation **Spheripol II Technology**. This PPiCP is primarily suitable for **Injection Molding** process. **M304** combines **excellent processability with low Cycle Time, good Impact – Stiffness balance, good Gloss & low Static Charge Build up.**

Application

- Furniture (Chairs, Tables etc.)
- Automotive Components
- Paint Pail
- Crates

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 ^o C)	ASTM D 1238	g/10 min	3.5
Density at 23°C	ASTM D 1505	g/cm ³	0.90
Tensile Strength at Yield (50 mm/min)	ASTM D 638	MPa	24
Tensile Elongation at Yield (50 mm/min)	(Type I - with Extensometer)	%	7
Flexural Modulus	ASTM D 790A	MPa	1050
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	150
Vicat Softening Point (10N)	ASTM D 1525	°C	150
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	°C	90

Typical Processing Temperature

Barrel Temperature	°C	180 - 260
Mold Temperature	°C	30 - 40

Mechanical properties are tested on Injection Molded Test Specimens prepared as per ASTM D 4101

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