

TECHNICAL DATA SHEET

M304

Polypropylene Impact Copolymer

Characteristics

M304 is a **Heterophasic Polypropylene Impact Copolymer (PPiCP)**, produced by the latest generation **Spheripol Technology**. This PPiCP is primarily suitable for **Injection Molding** process. **M 304** 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
- Battery Box
- Crates

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 ⁰ 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	ASTM D 638 * (Type I - with Extensometer)	MPa	26
Tensile Elongation at Yield		%	6
Flexural Modulus	ASTM D 790	MPa	1050
Izod Impact Strength (Notch, 23°C)	ASTM D 256	J/m	150
Vicat Softening Point (10N)	ASTM D 1525	⁰ C	150
Heat Deflection Temperature (0.46 N/m ²)	ASTM D 648	⁰ C	90

Typical Processing Temperature

Barrel Temperature	⁰ C	180 - 260
Mold Temperature	⁰ C	30 - 40

** Mechanical properties tested on Injection Molded Test Specimens (Type I)*

The above typical properties are not to be construed as Specifications and may change without any prior notice. The User will solely be responsible for any intended process / product usage and HPL does not guarantee or undertake any responsibility for any consequential damage or loss based on the information given above.