

## TECHNICAL DATA SHEET

**M307**

**Polypropylene Impact Copolymer**

### Characteristics

**M307** is a **Heterophasic Polypropylene Impact Copolymer (PPiCP)**, produced by the latest generation **Spheripol II Technology**. This PPiCP is primarily suitable for **Injection Molding** process.

**M307** combines **excellent processability with low Cycle Time**

### Application

- **General Purpose Injection Molding**

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 <sup>0</sup> C)	ASTM D 1238	g/10 min	7
Density at 23°C	ASTM D 1505	g/cm <sup>3</sup>	0.90
Tensile Strength at Yield (50 mm/min)	ASTM D 638 (Type I - with Extensometer)	MPa	23
Tensile Elongation at Yield (50 mm/min)		%	6
Flexural Modulus	ASTM D 790A	MPa	1000
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	80
Vicat Softening Point (10N)	ASTM D 1525	°C	145
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	°C	88

### 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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