

<b>PROVISIONAL DATA SHEET</b>	<b>M311T</b>	<b>Polypropylene Impact Copolymer</b>
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## Characteristics

M311T is a **Heterophasic Polypropylene Impact Copolymer (PPiCP)**, produced by the latest generation **Spheripol Technology**. This PPiCP is primarily suitable for **Injection Molding** process. M311T combines excellent **processability with high flow, low cycle time, good Impact – Stiffness balance with high Toughness and good Gloss**.

## Application

- **Automotive Components**
- **Compounding**
- **Luggage**
- **Industrial Components**

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 <sup>0</sup> C)	ASTM D 1238	g/10 min	10
Density at 23°C	ASTM D 1505	g/cm <sup>3</sup>	0.90
Tensile Strength at Yield	ASTM D 638 * (Type I - with Extensometer)	MPa	20
Tensile Elongation at Yield		%	6
Flexural Modulus	ASTM D 790	MPa	900
Izod Impact Strength ( Notch, 23°C)	ASTM D 256	J/m	500
Vicat Softening Point (10N)	ASTM D 1525	<sup>0</sup> C	142
Heat Deflection Temperature (0.46 N/m <sup>2</sup> )	ASTM D 648	<sup>0</sup> C	85

## Typical Processing Temperature

Barrel Temperature	<sup>0</sup> C	160 - 250
Mold Temperature	<sup>0</sup> 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.*