

## TECHNICAL DATA SHEET

## M310

**M310** is a **Heterophasic Polypropylene Impact Copolymer** produced by the **Spheripol Technology**

**M310** combines excellent processability with high Flow, low Cycle Time, excellent Thermal Stability and good Impact – Stiffness balance

**M310** is recommended for Injection Molded Battery Box and Industrial Items

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 <sup>0</sup> C)	ASTM D1238	g/10 min	10
Density at 23°C	ASTM D1505	g/cm <sup>3</sup>	0.90
Tensile Strength at Yield	ASTM D638	MPa	24
Tensile Elongation at Yield		%	6
Flexural Modulus	ASTM D790	MPa	1200
Izod Impact Strength ( Notch, 23°C)	ASTM D256	J/m	90
Vicat Softening Point (10N)	ASTM D1525	<sup>0</sup> C	145
Heat Deflection Temperature (0.46 N/m <sup>2</sup> )	ASTM D648	<sup>0</sup> C	95

### Suggested Processing Temperature

Barrel Temperature	<sup>0</sup> C	160 – 250
Mold Temperature	<sup>0</sup> C	30 – 40

\* Halene P is the registered trademark of Polypropylene of HPL

Mechanical properties tested on Injection Molded Test Specimens

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