

TECHNICAL DATA SHEET

M340

Polypropylene Impact Copolymer

Characteristics

M340 is a **Heterophasic Polypropylene Impact Copolymer (PPiCP)**, produced by the latest generation **Spheripol II - Technology**. This PPiCP is primarily suitable for **Injection Molding & Compounding** process.

M340 combines excellent **processability with high Flow, low Cycle Time, excellent Impact – Stiffness balance, Low Warpage and good Gloss.**

Application

- **Appliance & White Goods Components**
- **Automotive Components**
- **TWIM Food & Non-food Containers**
- **Housewares, Thermo-wares, Sanitary-wares & Interior Trims**
- **Industrial Components**
- **Furniture**
- **Compounding**

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 ^o C)	ASTM D 1238	g/10 min	40
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)	%	5
Flexural Modulus	ASTM D 790A	MPa	1200
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	60
Vicat Softening Point (10N)	ASTM D 1525	^o C	140
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	^o C	88

Typical Processing Temperature

Barrel Temperature	^o C	160 - 250
Mold Temperature	^o C	30 – 40

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

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