HALDIA PETROCHEMICALS LTD

Halene – P

TECHNICAL DATA SHEET	M325	Polypropylene Impact Copolymer

Characteristics

M325 is a **Heterophasic Polypropylene Impact Copolymer (PPiCP)**, produced by the latest generation **Spheripol II Technology**. This PPiCP is primarily suitable for **Injection Molding, Extrusion Coating & Compounding** process. It is recommended for use in injection molding processes where high flow and medium impact strength are required. It is an ideal material for rigid packaging, automotive components, house wares and appliances parts.
M325 combines excellent **processability with high Flow, low Cycle Time, good Stiffness–Impact balance and good Gloss.**

Application

- **Furniture**
- **Compounding & Automotive Components**
- **House wares**
- **Appliance Parts**
- **Extrusion Coating**

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230^0 C)	ASTM D 1238	g/10 min	25
Density at 23°C	ASTM D 1505	g/cm^3	0.90
Tensile Strength at Yield (50 mm/min)	ASTM D 638 (Type I - with Extensometer)	MPa	25
Tensile Elongation at Yield (50 mm/min)		%	7
Flexural Modulus	ASTM D 790A	MPa	1150
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	60
Vicat Softening Point (10N)	ASTM D 1525	^{0}C	140
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	^{0}C	84

Typical Processing Temperature		
Barrel Temperature	^{0}C	180 - 210
Mold Temperature	^{0}C	30 – 40

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

The information & data presented herein are typical values and should not be construed as specification. No warranty or guarantee expressed or implied is made regarding performance. The information & data are subject to change without prior intimation based on research & development work undertaken by the company.

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