

## TECHNICAL DATA SHEET

## M212S

**M212S** is a **Polypropylene Random Copolymer** produced by **Spheripol II Technology**.

**M212S** combines excellent Clarity, Gloss, High Flow, Low Cycle Time and Stiffness – Impact balance.

**M212S** is recommended for high clarity Injection Molded & Injection Stretch Blow Molded (ISBM) Containers, Household items, Injection Syringes

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 <sup>0</sup> C)	ASTM D 1238	g/10 min	12
Density at 23 °C	ASTM D 1505	g/cm <sup>3</sup>	0.90
Tensile Strength at Yield	ASTM D 638	MPa	28
Tensile Elongation at Yield		%	14
Flexural Modulus	ASTM D 790A	MPa	1050
Notched Izod Impact Strength (23 °C)	ASTM D 256A	J/m	70
Vicat Softening Point (10N)	ASTM D 1525	°C	128
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	°C	75

### Suggested Processing Temperature

Barrel Temperature	°C	160 - 250
Mold Temperature	°C	30 - 60

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

Mechanical properties tested on Injection Molded Test Specimens

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.

Compliance Certificates & MSDS are available on request.  
Visit us at [www.haldia Petrochemicals.com](http://www.haldia Petrochemicals.com)