HALDIA PETROCHEMICALS LTD

# Halene – P

| TECHNICAL DATA SHEET | M108 | Polypropylene Homopolymer |
|---|---|---|

## Characteristics

**M108** is a **Polypropylene Homopolymer**, produced by the latest generation **Spheripol II Technology**. This homopolymer is primarily suitable for **Injection Molding Process**.
**M108** combines **easy processability with high strength**.

## Application

- **General Purpose Injection Molding**

| Property | Test Method | Unit | Value |
|---|---|---|---|
| Melt Flow Index (2.16 kg & $230^0$ C) | ASTM D 1238 | g/10 min | 8 |
| 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 | 30 |
| Tensile Elongation at Yield (50 mm/min) | | % | 7 |
| Flexural Modulus | ASTM D 790A | MPa | 1300 |
| Notched Izod Impact Strength (23°C) | ASTM D 256A | J/m | 35 |
| Vicat Softening Point (10N) | ASTM D 1525 | $^0C$ | 152 |
| Heat Deflection Temperature (0.455MPa ) | ASTM D 648 | $^0C$ | 94 |

| Typical Processing Temperature | | |
|---|---|---|
| Barrel Temperature | $^0C$ | 180 - 260 |
| Mold Temperature | $^0C$ | 30 - 40 |

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



*Compliance Certificates & MSDS are available on request.*

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