

## Technical Data Sheet

### Moplen RP340H

Polypropylene, Random Copolymer

#### Product Description

Moplen RP340H is a clarified random copolymer for extrusion applications. The grade exhibits high transparency and medium stiffness.

Moplen RP340H is typically used in co-extrusion blow molding, sheet extrusion and thermoforming applications.

This grade is not intended for medical and pharmaceutical applications.

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| Application       | Bottles For Consumer Goods; Bottles for Industrial Use           |
| Market            | Industrial Packaging; Rigid Packaging                            |
| Processing Method | Extrusion Blow Molding; Sheet; Thermoforming                     |
| Attribute         | High Transparency; Medium Stiffness; Nucleated; Random Copolymer |

| Typical Properties                                    | Nominal Value | Units             | Test Method   |
|-------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                       |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                      | 1.8           | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                      | 0.90          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                     |               |                   |               |
| Tensile Modulus                                       | 1100          | MPa               | ISO 527-1, -2 |
| Tensile Stress at Yield                               | 30            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break                               | >50           | %                 | ISO 527-1, -2 |
| Tensile Strain at Yield                               | 13            | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                         |               |                   |               |
| Charpy Impact Strength - Notched                      |               |                   |               |
| (23 °C, Type 1, Edgewise, Notch A)                    | 25            | kJ/m <sup>2</sup> | ISO 179       |
| (0 °C, Type 1, Edgewise, Notch A)                     | 2.5           | kJ/m <sup>2</sup> | ISO 179       |
| <b>Thermal</b>                                        |               |                   |               |
| Vicat Softening Temperature, (A50)                    | 130           | °C                | ISO 306       |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 80            | °C                | ISO 75B-1, -2 |
| <b>Optical</b>                                        |               |                   |               |
| Haze, (1 mm - injection molded disc)                  | 11            | %                 | ASTM D1003    |