

## 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.

<b>Application</b>	Bottles For Consumer Goods; Bottles for Industrial Use
<b>Market</b>	Industrial Packaging; Rigid Packaging
<b>Processing Method</b>	Extrusion Blow Molding; Sheet; Thermoforming
<b>Attribute</b>	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