

## Technical Data Sheet

### Moplen RP242H



Polypropylene, Random Copolymer

#### Product Description

Moplen RP242H is a clarified random copolymer for extrusion applications. The grade exhibits high transparency and good impact strength.

Moplen RP242H is typically used in extrusion blow molding, sheet extrusion and thermoforming.

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>	BMMF free; High Transparency; Medium Impact Resistance; 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	900	MPa	ISO 527-1, -2
Tensile Stress at Yield	24	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	14	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched (23 °C, Type 1, Edgewise, Notch A)	35	kJ/m <sup>2</sup>	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	4	kJ/m <sup>2</sup>	ISO 179
<b>Optical</b>			
Haze, (1 mm - injection molded disc)	9	%	ASTM D1003