

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.

Application	Bottles For Consumer Goods; Bottles for Industrial Use
Market	Industrial Packaging; Rigid Packaging
Processing Method	Extrusion Blow Molding; Sheet; Thermoforming
Attribute	BMMF free; High Transparency; Medium Impact Resistance; Nucleated; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.8	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1
Mechanical			
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
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	35	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	4	kJ/m ²	ISO 179
Optical			
Haze, (1 mm - injection molded disc)	9	%	ASTM D1003