

Technical Data Sheet

Moplen RP390H

Polypropylene, Random Copolymer

Product Description

Moplen RP390H is a clarified random copolymer for extrusion applications. The grade exhibits excellent transparency, gloss and stiffness. Moplen RP390H is typically used by customers in extrusion blow moulding, 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	High Gloss; High Transparency; Medium Stiffness; 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	1050	MPa	ISO 527-1, -2
Tensile Stress at Yield	29	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	13	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	26	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	3.5	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	12	%	ASTM D1003