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/cm³	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/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	3.5	kJ/m²	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