

Technical Data Sheet

Moplen RP3456



Polypropylene, Random Copolymer

Product Description

Moplen RP3456 is a random copolymer for injection molding with clarifier and antistatic based additivation, offering a very high flowability and an excellent transparency.

Moplen RP3456 is appreciated by customers in thin walled packaging due to its high transparency and low warpage. Moplen RP3456 shows outstanding aesthetic appearance, significantly lower processing temperatures, allowing energy savings and improved productivity due to reduced cycle times

Regulatory Status

For regulatory compliance information, see Moplen RP3456 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

This grade is not intended for medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Clear Containers; Housewares; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Contains Antistat; High Transparency; Nucleated; Ultra High Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	100	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	950	MPa	ISO 178
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Break		%	ISO 527-1, -2
Tensile Strain at Yield	26	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	5	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	127	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	70	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	10	%	ASTM D1003

Notes

These are typical property values not to be construed as specification limits.