

## 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

This grade is not intended for medical and pharmaceutical applications.

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

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

#### Notes

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