

## Technical Data Sheet

### *Moplen* RP398V Plus



Polypropylene, Random Copolymer

#### Product Description

*Moplen* RP398V Plus is a random copolymer for injection molding with clarifier and antistatic based additivation, offering a very high flowability and an excellent transparency.

*Moplen* RP398V Plus is appreciated by customers in thin walled packaging due to its high transparency and low warpage. *Moplen* RP398V Plus 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>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>			
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	14	%	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