

Technical Data Sheet

Moplen RP398V

Polypropylene, Random Copolymer



Product Description

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

Moplen RP398V is appreciated by customers in thin walled packaging due to its high transparency and low warpage. *Moplen* RP398V 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.

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		Test Method
	Value	Units	
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			
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
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