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Technical Data Sheet

Moplen RP348T HP

Polypropylene, Random Copolymer



Product Description

Moplen RP348T HP is a random copolymer for injection molding with a clarifier and antistatic based additivation, offering a very good flowability and transparency.

Moplen RP348T HP is typically used in thin walled packaging and appreciated by customers for its good aesthetic appearance. It can be processed at significantly low temperature, allowing energy savings and improved productivity due to reduced cycle times.

This grade is not intended for medical and pharmaceutical applications.

Application Caps & Closures; Clear Containers; Housewares; Sports, Leisure & Toys

Market Consumer Products; Rigid Packaging

Processing Method Injection Molding

Attribute Contains Antistat; High Flow; High Transparency; Nucleated

	Nominal		
Typical Properties	Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	48	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1100	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)	4.5	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	70	°C	ISO 75B-1, -2
Optical			
Haze, (1 mm - injection molded disc)	9	%	ASTM D1003