

Technical Data Sheet

Moplen RP398U



Polypropylene, Random Copolymer

Product Description

Moplen RP398U is a clarified random copolymer for injection moulding with antistatic additivition. Moplen RP398U offers an outstanding combination of high flowability, transparency, gloss and organoleptic behaviours. Moplen RP398U is typically used by customers in thin walled packaging for housewares and food packaging with high transparency and high requirement in organoleptic properties.

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; Good Organoleptic Properties; High Flow; High Transparency; Nucleated; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	71	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	30	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)	5.0	kJ/m ²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	1.5	kJ/m ²	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)	11	%	ASTM D1003