Technical Data Sheet

Moplen RP398U

Polypropylene, Random Copolymer

Product Description

Moplen RP398U is a clarified random copolymer for injection moulding with antistatic additivation. *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.

Regulatory Status

For regulatory compliance information, see *Moplen* RP398U Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

This grade is not intended for medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
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/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1030	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/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	1.5	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)	11	%	ASTM D1003

Notes

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