

Technical Data Sheet

Moplen RP3461

Polypropylene, Random Copolymer

Product Description

Moplen RP3461 is a clarified random copolymer for injection moulding with antistatic additivation.

Moplen RP3461 exhibits high fluidity in combination with a good transparency and gloss performance.

Moplen RP3461 is typically used by customers in housewares and in food packaging. Its high fluidity allows short processing cycle times, and moulding of very thin wall items with a complex geometry.

Regulatory Status

For regulatory compliance information, see Moplen RP3461 [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; High Flow; High Transparency; Nucleated; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	75	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	28	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/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)	80	°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.