

# Moplen RP348R

## Polypropylene Random Copolymer

LyondellBasell Industries



Prospector

### Product Description

Moplen RP348R is a nucleated and antistatic additivated random copolymer for injection moulding that displays excellent transparency combined with good flowability.

The main applications of Moplen RP348R are housewares and caps & closures.

Moplen RP348R is suitable for food contact.

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	
Additive	• Antistatic	• Nucleating Agent	
Features	• Antistatic • Good Flow	• High Clarity • Nucleated	• Random Copolymer
Uses	• Caps	• Closures	• Household Goods
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
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Specific Gravity	0.900 g/cm <sup>3</sup>	ASTM D792 ISO 1183
Melt Mass-Flow Rate (MFR)		
--	25 g/10 min	ASTM D1238
230°C/2.16 kg	25 g/10 min	ISO 1133

Mechanical	Nominal Value Unit	Test Method
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Tensile Modulus	1150 MPa	ISO 527-2
Tensile Strength		
Yield	29.0 MPa	ASTM D638
Yield	30.0 MPa	ISO 527-2
Tensile Elongation		
Yield	13 %	ASTM D638
Yield	14 %	ISO 527-2
Break	> 50 %	ISO 527-2
Flexural Modulus	1050 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
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Charpy Notched Impact Strength		ISO 179/1eA
0°C	3.0 kJ/m <sup>2</sup>	
23°C	6.0 kJ/m <sup>2</sup>	
Notched Izod Impact (23°C)	45 J/m	ASTM D256

Hardness	Nominal Value Unit	Test Method
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Ball Indentation Hardness (H 358/30)	60.0 MPa	ISO 2039-1
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Thermal	Nominal Value Unit	Test Method
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Deflection Temperature Under Load		
0.45 MPa, Unannealed	85.0 °C	ASTM D648
0.45 MPa, Unannealed	76.0 °C	ISO 75-2/B
Vicat Softening Temperature		
--	130 °C	ISO 306/A50
--	72.0 °C	ISO 306/B50

Optical	Nominal Value Unit	Test Method
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Gloss (60°)	85	ASTM D2457
Haze (1000 µm)	9.0 %	ASTM D1003

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.