Moplen RP348R
Polypropylene Random Copolymer
LyondellBasell Industries

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
Specific Gravity 0.900 g/cm³ 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
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
Charpy Notched Impact Strength 0°C 3.0 kJ/m² ISO 179/1eA
23°C 6.0 kJ/m²
Notched Izod Impact (23°C) 45 J/m ASTM D256
Hardness
Nominal Value Unit Test Method
Ball Indentation Hardness (H 358/30) 60.0 MPa ISO 2039-1
Thermal
Nominal Value Unit Test Method
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
Gloss (60°) 85 ASTM D2457
Haze (1000 µm) 9.0 % ASTM D1003

Notes
1 Typical properties: these are not to be construed as specifications.