



## Moplen RP248R

### Polypropylene, Random Copolymer

#### Product Description

Moplen RP248R is a random copolymer with good fluidity used in injection moulding applications.

Moplen RP248R is clarified with antistatic addition. It exhibits a very high transparency combined with a very good impact strength, even at 0°C.

Moplen RP248R is extensively applied in highly transparent housewares and thin walled containers with high impact requirements.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Processing Methods</b>	Injection Molding
<b>Typical Customer Applications</b>	Clear Containers, Housewares, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.9	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	30	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	41	cm <sup>3</sup> /10min
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	800	MPa
Tensile Stress at Yield	ISO 527-1, -2	22	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Tensile Strain at Yield	ISO 527-1, -2	10	%
<b>Impact</b>			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		6.5	kJ/m <sup>2</sup>
(0 °C, Type 1, Edgewise, Notch A)		3.5	kJ/m <sup>2</sup>
<b>Hardness</b>			
Ball indentation hardness (H 358/30)	ISO 2039-1	41	MPa
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	60	°C
Vicat softening temperature A/50	ISO 306	120	°C
Vicat softening temperature B/50	ISO 306	60	°C
<b>Optical</b>			
Haze (1 mm)	ASTM D 1003	10	%

#### Notes

Typical properties; not to be construed as specifications.