

## Technical Data Sheet

### *Moplen* RP348R



Polypropylene, Random Copolymer

#### Product Description

*Moplen* RP348R is a polypropylene random copolymer with good flowability which is used in injection molding applications.

*Moplen* RP348R is nucleated, for improved productivity and very good optical properties (transparency and brilliance). Its antistatic additivition prevents dust deposits and eases items demolding.

Typical applications of *Moplen* RP348R are caps & closures, housewares and rigid packaging items.

This grade is not intended for medical and pharmaceutical applications.

<b>Application</b>	Caps & Closures; Housewares
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Contains Antistat; High Transparency; Medium Flow; Nucleated; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	1150	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	11	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6	kJ/m <sup>2</sup>	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	2	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	50	MPa	ISO 2039-1
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2
<b>Optical</b>			
Haze, (1 mm - injection molded disc)	9	%	ASTM D1003
Gloss, (60°)	135		ASTM D2457