

## Moplen RP398T

### Polypropylene, Random Copolymer

#### Product Description

*Moplen* RP398T is a random copolymer for injection moulding with nucleation and antistatic additivation.

*Moplen* RP398T offers a very good flowability and an excellent transparency and organoleptic performance.

The main application of *Moplen* RP398T is thin walled packaging with high transparency and high requirement in organoleptic properties.

*Moplen* RP398T has a superior aesthetic appearance and can be processed at significantly lower temperatures. *Moplen* RP398T enables energy savings and improved productivity due to reduced cycle times.

*Moplen* RP398T is a commercial grade.

#### 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	45	g/10 min
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	1050	MPa
Tensile Stress at Yield	ISO 527-1, -2	28	MPa
Tensile Strain at Break	ISO 527-1, -2	> 400	%
Tensile Strain at Yield	ISO 527-1, -2	14	%
<b>Impact</b>			
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	4.5	kJ/m <sup>2</sup>
(0 °C, Type 1, Edgewise, Notch A)		2.5	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	70	°C
Vicat softening temperature A/50	ISO 306	127	°C
Vicat softening temperature B/50	ISO 306	70	°C

## Optical

Haze (1 mm)

ASTM D 1003

9

%

### Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP  
Basell Sales & Marketing Company B.V.  
Basell Asia Pacific Limited  
Basell International Trading FZE  
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Users should review the applicable Material Safety Data Sheet before handling the product.

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