



## MD 400R

### Polypropylene, Homopolymer

#### Product Description

MP400R is a homopolymer polypropylene used by customers for injection moulding applications. It exhibits a high fluidity combined with a good stiffness.

MP400R is suitable for food contact.

#### Product Characteristics

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#### Test Method used

ISO

#### Features

High Flow , Good Stiffness

#### Typical Customer Applications

Furniture/ Housewares

#### Typical Properties

	Method	Value	Unit
<b>Physical</b>			
Density (Method D)	ISO 1183	0.90	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	25	g/10 min
<b>Mechanical</b>			
Tensile Stress at Yield	ISO 527-1, -2	32	MPa
Flexural modulus	ISO 178	1350	MPa
<b>Impact</b>			
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179		105 kJ/m <sup>2</sup>
(0 °C, Type 1, Edgewise)			25 kJ/m <sup>2</sup>
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179 2		kJ/m <sup>2</sup>
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	70	
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90	°C
Vicat softening temperature A/50	ISO 306	154	°C
Vicat softening temperature B/50	ISO 306	85	°C

#### Additional Properties

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#### Notes

The values given in this technical data sheet are the results of tests carried out in accordance with standard test procedures. They are given as indication to enable customers to make the best use of our products but must be considered as

average values provided without implying any undertaking on our part.

Typical properties; not to be construed as specifications.