Egyptian Propylene & Polypropylene Company

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

Test Method used	ISO
Features	High Flow , Good Stiffness
Typical Customer Applications	Furniture/ Housewares

Typical Properties	**Method**	**Value**	**Unit**
Physical			
Density (Method D)	ISO 1183	0.90	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	25	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	32	MPa
Flexural modulus	ISO 178	1350	MPa
Impact			
Charpy unnotched impact strength	ISO 179		
(23 °C, Type 1, Edgewise)		105	kJ/m²
(0 °C, Type 1, Edgewise)		25	kJ/m²
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	2	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	70	
Thermal			
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

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

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average values provided without implying any undertaking on our part.

Typical properties; not to be construed as specifications.