

# Moplen HP483R

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Moplen HP483R is a homopolymer for injection moulding with antistatic and slip agent addition that exhibits good stiffness combined with a good flowability.

The main applications of Moplen HP483R are caps, closures, furniture and TWIM.

For regulatory information please refer to Moplen HP483R Product Stewardship Bulletin ( PSB )

General Information			
Additive	Antistatic		
	Slip		
Features	Antistatic		
	Food Contact Acceptable		
	Good Flow		
	Good Stiffness		
	Homopolymer		
	Slip		
Uses	Caps		
	Closures		
	Containers		
	Furniture		
	Thin-walled Packaging		
	Thin-walled Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	68.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	9.0	%	
Break	> 50	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	151	°C	ISO 306/A50
--	85.0	°C	ISO 306/B50

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