

Moplen HP483R

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP483R is a homopolymer for injection moulding with antistatic and slip agent additivation 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 ³	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 ²	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

