

Moplen HP648T

PP HOMO

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	72	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt flow index, MFI	53	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1600	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Yield strain	8	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy impact strength (+23°C)	90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	2	kJ/m ²	ISO 179/1eA
Ball indentation hardness	80	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	95	°C	ISO 75-1/-2
Vicat softening temperature A	154	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	95	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	900	kg/m ³	ISO 1183

Characteristics
Processing

Injection Molding

Special Characteristics

Anti-static

Features

Nucleated, Homopolymer

Certifications

Food approval

Applications

Packaging

Disclaimer

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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