

Moplen HP401R

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	34	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	1350	MPa	ISO 527
Yield stress	32	MPa	ISO 527
Yield strain	10	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy impact strength, +23°C	105	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Ball indentation hardness	70	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, A	154	°C	ISO 306
Vicat softening temperature, B	85	°C	ISO 306
Other properties			
Density	905	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Certifications

Food contact

Features

Homopolymer

Regional Availability

Europe, Asia Pacific, Near East/Africa