

Moplen HP500N

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	1400	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Yield strain	10	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Yield	34	MPa	ASTM D 638
Elongation at Yield	10	%	ASTM D 638
Flexural Modulus	1480	MPa	ASTM D 790
Izod Impact notched, 1/8 in	25	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	153	°C	ISO 306
Vicat softening temperature, B	85	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	97	°C	ASTM D 648
Other properties			
Density	900	kg/m ³	ISO 1183
Density	900	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding, Blow Molding

Features

Homopolymer

Certifications

Food contact

Applications

General Purpose, Packaging

Regional Availability

Europe, Asia Pacific, Near East/Africa