

Moplen HP400H

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	2.1	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data	Value	Unit	Test Standard
Tensile Modulus	1400	MPa	ISO 527
Yield stress	34	MPa	ISO 527
Yield strain	11	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Ball indentation hardness	70	MPa	ISO 2039-1
ASTM Data			
Tensile Strength at Yield	33	MPa	ASTM D 638
Elongation at Yield	11	%	ASTM D 638
Flexural Modulus	1450	MPa	ASTM D 790
Izod Impact notched, 1/8 in	40	J/m	ASTM D 256
Thermal properties			
ISO Data	Value	Unit	Test Standard
Temp. of deflection under load, 0.45 MPa	80	°C	ISO 75-1/-2
Vicat softening temperature, A	150	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	95	°C	ASTM D 648
Optical properties			
ASTM Data	Value	Unit	Test Standard
Gloss	107	-	ASTM D 2457
Haze	45	%	ASTM D 1003
Other properties			
Value	Unit	Test Standard	
Density	900	kg/m ³	ISO 1183
Density	900	kg/m ³	ASTM D 792

Characteristics**Processing**

Profile Extrusion, Sheet Extrusion, Blow Molding, Thermoforming

Special Characteristics

Opaque

Features

Homopolymer

Applications

Packaging

Regional Availability

Asia Pacific, Near East/Africa