

**Moplen HP640J**

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	3.2	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	1600	MPa	ISO 527
Yield stress	37	MPa	ISO 527
Yield strain	9	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy notched impact strength, +23°C	7	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	78	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, A	154	°C	ISO 306
<b>Optical properties</b>			
<b>ASTM Data</b>			
Gloss	113	-	ASTM D 2457
Haze	30	%	ASTM D 1003
<b>Other properties</b>			
Density	900	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Profile Extrusion, Sheet Extrusion, Other Extrusion, Thermoforming

**Special Characteristics**

Transparent

**Features**

Nucleated, Homopolymer

**Certifications**

Food contact

**Applications**

Packaging

**Regional Availability**

Europe, Near East/Africa