

**Moplen HP456J**

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>3.4</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	<b>34</b>	MPa	ISO 527
Yield strain	<b>11</b>	%	ISO 527
Stress at break	<b>23</b>	MPa	ISO 527
Strain at break	<b>600</b>	%	ISO 527
Flexural modulus, 23°C	<b>1400</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>190</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>4</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	<b>74</b>	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	<b>90</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>153</b>	°C	ISO 306
<b>Other properties</b>			
Density	<b>900</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Other Extrusion, Thermoforming

**Applications**

Monofilament

**Features**

Homopolymer

**Regional Availability**

Europe, Near East/Africa