

**Moplen EP500V**

PP

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>135</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
Melt flow index, MFI	<b>100</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>1200</b>	MPa	ISO 527
Yield stress	<b>26</b>	MPa	ISO 527
Yield strain	<b>6</b>	%	ISO 527
Strain at break	<b>20</b>	%	ISO 527
Charpy notched impact strength, +23°C	<b>5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	<b>81</b>	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	<b>93</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>149</b>	°C	ISO 306
Vicat softening temperature, B	<b>74</b>	°C	ISO 306
<b>Other properties</b>			
Density	<b>900</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Features**

Copolymer, Impact Copolymer

**Certifications**

Food contact

**Applications**

Packaging, Sports Equipment

**Regional Availability**

Europe, Near East/Africa