

**Moplen RP316M**

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	8	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	1100	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	11	%	ISO 527
Strain at break	520	%	ISO 527
Charpy notched impact strength, +23°C	3.4	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	67	-	ISO 7619-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	72	°C	ISO 75-1/-2
Vicat softening temperature, A	135	°C	ISO 306
<b>Optical properties</b>			
<b>ASTM Data</b>			
Gloss	88	-	ASTM D 2457
Haze	1.5	%	ASTM D 1003
<b>Other properties</b>			
Density	900	kg/m <sup>3</sup>	ISO 1183
<b>Film Properties</b>			
<b>ASTM Data</b>			
Tensile Modulus, MD	780	MPa	ASTM D 882
Tensile Strength at Yield, MD	20	MPa	ASTM D 882
Tensile Strength at Break, MD	40	MPa	ASTM D 882
Elongation at Yield, MD	6.3	%	ASTM D 882
Elongation at Break, MD	730	%	ASTM D 882
Type of extrusion	cast	-	-
Thickness of specimen	0.05	mm	-

**Characteristics****Processing**

Film Extrusion

**Certifications**

Food contact

**Additives**

Antiblocking agent

**Applications**

Packaging

**Special Characteristics**

Anti-static, Transparent

**Regional Availability**

Europe, Near East/Africa

**Features**

High Gloss, Weldable, Copolymer, Random Copolymer