

**Clyrell RC215M**

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1050	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	10	%	ISO 527
Strain at break	>50	%	ISO 527
Charpy notched impact strength, +23°C	3.4	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	1.5	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	66	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	65	°C	ISO 75-1/-2
Vicat softening temperature, A	130	°C	ISO 306

Optical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Gloss	90	-	ASTM D 2457
Haze	1	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	900	kg/m <sup>3</sup>	ISO 1183

Film Properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield, MD	22	MPa	ASTM D 882
Tensile Strength at Break, MD	35	MPa	ASTM D 882
Elongation at Yield, MD	10	%	ASTM D 882
Elongation at Break, MD	750	%	ASTM D 882
Type of extrusion	cast	-	-
Thickness of specimen	0.05	mm	-

**Characteristics****Processing**

Film Extrusion

**Additives**

Antiblocking agent

**Features**

Heat Sealable, Weldable, Copolymer, Random Copolymer

**Certifications**

Food contact, Food approval 1935/2004/EC, Food approval 10/2011, Food approval FDA 21 CFR

**Applications**

Packaging

**Regional Availability**

Europe, Near East/Africa