

Clyrell RC110E

PP

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	0.8	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	19.5	MPa	ISO 527
Yield strain	16.5	%	ISO 527
Stress at break	27	MPa	ISO 527
Strain at break	420	%	ISO 527
Flexural modulus, 23°C	500	MPa	ISO 178
Charpy notched impact strength, +23°C	80	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	118	°C	ISO 306

Optical properties	Value	Unit	Test Standard
ASTM Data			
Gloss	32	-	ASTM D 2457
Haze	21	%	ASTM D 1003

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

Film Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus, MD	735	MPa	ASTM D 882
Tensile Modulus, TD	700	MPa	ASTM D 882
Tensile Strength at Yield, MD	27	MPa	ASTM D 882
Tensile Strength at Yield, TD	25	MPa	ASTM D 882
Tensile Strength at Break, MD	52	MPa	ASTM D 882
Tensile Strength at Break, TD	46	MPa	ASTM D 882
Elongation at Yield, MD	15	%	ASTM D 882
Elongation at Yield, TD	12	%	ASTM D 882
Elongation at Break, MD	940	%	ASTM D 882
Elongation at Break, TD	30	%	ASTM D 882
Type of extrusion	blown	-	-
Thickness of specimen	0.05	mm	-

Characteristics**Processing**

Blown Film Extrusion, Film Extrusion

Features

Copolymer, Random Copolymer

Certifications

Food contact

Applications

Packaging

Regional Availability

Europe